

Vol 1 ~~2~~

2

121

LD50 320.0 GREAT
 MED50 56.0 -18.0-180.0-
 RATIO LD50/MED50 UNK

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE					
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER	
320.0	32.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***	G	300
320.0	32.0	2/2	DEC SENSITIVITY TO SOUND	230	60	*		240
320.0	32.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G	300
320.0	32.0	2/2	DEC REARING FREQUENCY	632	0		G	300
320.0	32.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G	300
320.0	32.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8			60
320.0	32.0	2/2	MYDRIASIS	154	8	**		60
320.0	32.0	2/2	INC RESPIRATORY DEPTH	161	8			120
320.0	32.0	2/2	IRREGULAR RESPIRATORY RATE	362	8			120
320.0	32.0	1/2	MOT DEF HORIZONTAL STRIP	471	8	*		240
320.0	32.0	1/2	MOT DEF VERTICAL ROD	371	8	***		120
320.0	32.0	1/2	MOT DEF ROTA-ROD	771	8	*		120
320.0	32.0	1/2	MOT DEF INCLINED STRIP	671	8	*		240
320.0	32.0	2/2	LOW POSTURE	241	15			120
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*		240
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G	300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	8		G	300
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***		240
32.0	3.2	2/2	NO EFFECT		73			

DIL.

0.5% M.C. SUSP QS C H₂O

LD50 220.0 -180.0-280.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 120.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEC- PRE	RENT. TO RECOVER
320.0	32.0	2/2	DEATH	74	30	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 160
100.0	10.0	1/2	ABNORMAL REACTION TO PAIN	429	30	60
100.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	* 300
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	180
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	* 130
100.0	10.0	2/2	MYDRIASIS	154	8	*** 180
100.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	15	60
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	* 240
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	* 60
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	30
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	* 60
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	30
10.0	10.0	2/2	INC PREENING	140	15	30
10.0	10.0	1/2	MYDRIASIS	154	0	** 60
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	* 60

[REDACTED]

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- RLE	MDI REC
1.0	10.0	2/2	NO EFFECT	73		
250.0	25.0	2/2	DEATH	74	0	
200.0	20.0	0/2	DEATH	74	0	
150.0	15.0	0/2	DEATH	74	0	
DIL.			H2O CS C H2O			

LD50 280.0 -220.0-360.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 500.0

STATE SOLID

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 300
100.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	0	* 120
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	120
100.0	10.0	2/2	DEC REARING HEIGHT	732	0	120
100.0	10.0	2/2	DEC PREENING	240	0	120
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	* 180
100.0	10.0	2/2	MYDRIASIS	154	0	** 300
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	0	300
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	* G 300
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	* 100
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	0	* 180
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	* 180
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	* 180
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	* 180
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	* 240
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 300
32.0	3.2	1/2	INC SENSITIVITY TO TOUCH	131	0	* 60

			INTRAVENOUS TOXICITY TO MICE				
DOSE	DILUT	HEACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		60
32.0	3.2	2/2	DEC REARING FREQUENCY	532	0		240
32.0	3.2	2/2	DEC PREENING	240	0		60
32.0	3.2	2/2	INC RESPIRATORY RATE	162	0	*	180
32.0	3.2	2/2	MOT DEF HORIZONTAL WIRE	171	0	*	120
32.0	3.2	2/2	MOT DEF VERTICAL SCREEN	271	0	*	120
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	*	120
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	0	*	120
32.0	3.2	2/2	MOT DEF ROTA-ROD	771	0	*	120
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	60
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	-50	***	120
10.0	10.0	2/2	INC RESPIRATORY RATE	162	0	*	120
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	180
3.2	3.2	1/2	INC SENSITIVITY TO TOUCH	131	30	*	120
3.2	3.2	2/2	INC SCRATCHING	440	30		60
1.0	10.0	1/2	INC LOCOMOTOR ACTIVITY	224	0	*	60
1.0	10.0	1/2	INC SENSITIVITY TO TOUCH	131	30	*	120
1.0	10.0	1/2	INC PREENING	140	30		60
1.0	10.0	2/2	INC SCRATCHING	440	30		60
0.32	3.2	2/2	NO EFFECT	72			

DIL.

0.5% M.C. SUSP QS C H2O

LD50 100.0 -79.0-120.0-
 MED50 0.32 -0.10-1.0-
 RATIO LD50/MED50 310.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG= REE	MIN. TO RECOVER
100.0	2.0	1/2	DEATH	74	0	
100.0	2.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 60
100.0	2.0	1/2	INC LOCOMOTOR ACTIVITY	224	240	* G 300
100.0	2.0	1/2	DEC SENSITIVITY TO SOUND	230	0	* 15
100.0	2.0	1/2	DEC SENSITIVITY TO TOUCH	231	0	* 15
100.0	2.0	1/2	INC SENSITIVITY TO TOUCH	131	180	* G 300
100.0	2.0	1/2	DEC REARING FREQUENCY	632	0	30
100.0	2.0	1/2	INC REARING FREQUENCY	432	240	G 300
100.0	2.0	1/2	LIMP TAIL	333	0	15
100.0	2.0	1/2	ATAXIA	35	15	* 30
100.0	2.0	1/2	DEC PREENING	240	0	30
100.0	2.0	1/2	INC PREENING	140	240	G 300
100.0	2.0	1/2	PLACING REFLEX ABS	442	0	15
100.0	2.0	1/2	GRASPING REFLEX ABS	642	0	15
100.0	2.0	1/2	RIGHTING REFLEX ABS	842	0	15
100.0	2.0	1/2	LABYRINTHINE REFLEX ABS	042	0	15
100.0	2.0	1/2	POSITION SENSE REFLEX ABS	442	0	15
100.0	2.0	1/2	EYELID PTOSIS=NONPARALYTIC	149	60	* 120
100.0	2.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	0	15
100.0	2.0	1/2	MYDRIASIS	154	0	15
100.0	2.0	1/2	HEMATURIA	358	15	30

[REDACTED]

INTRAVENOUS TOXICITY TO MICE

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIP REF
100.0	2.0	1/2	INC RESPIRATORY DEPTH	161	0	
100.0	2.0	1/2	DEC RESPIRATORY RATE	262	0	
100.0	2.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	
100.0	2.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	***
100.0	2.0	1/2	MOT DEF VERTICAL SCREEN	271	0	***
100.0	2.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	***
100.0	2.0	1/2	MOT DEF VERTICAL ROD	371	0	***
100.0	2.0	1/2	MOT DEF ROTA-ROD	771	0	***
100.0	2.0	1/2	MOT DEF INCLINED STRIP	671	0	***
100.0	2.0	1/2	RESTLESSNESS	79	180	G
100.0	2.0	1/2	SQUINTING	79	180	G
32.0	1.3	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*
32.0	1.3	2/2	INC LOCOMOTOR ACTIVITY	224	240	* G
32.0	1.3	2/2	INC SENSITIVITY TO TOUCH	131	180	* G
32.0	1.3	2/2	DEC REARING FREQUENCY	632	15	
32.0	1.3	2/2	INC REARING FREQUENCY	432	240	G
32.0	1.3	1/2	DEC PREENING	240	15	
32.0	1.3	2/2	INC PREENING	140	240	G
32.0	1.3	1/2	INC SCRATCHING	440	240	
32.0	1.3	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	*
32.0	1.3	1/2	PUPILLARY LIGHT REFLEX ABS	152	0	
32.0	1.3	1/2	MYDRIASIS	154	0	*
32.0	1.3	2/2	IRREGULAR RESPIRATORY RATE	362	180	
32.0	1.3	1/2	PILOERECTOR	72	180	
32.0	1.3	2/2	RESTLESSNESS	79	180	G
32.0	1.3	2/2	SQUINTING	79	180	G
10.0	0.80	2/2	INC LOCOMOTOR ACTIVITY	224	240	* G
10.0	0.80	2/2	INC SENSITIVITY TO TOUCH	131	240	* G
10.0	0.80	1/2	DEC REARING FREQUENCY	632	30	
10.0	0.80	2/2	INC REARING FREQUENCY	432	240	G
10.0	0.80	2/2	INC PREENING	140	240	G
10.0	0.80	1/2	INC SCRATCHING	440	240	G
10.0	0.80	2/2	IRREGULAR RESPIRATORY RATE	362	240	G
10.0	0.80	1/2	PILOERECTOR	72	240	G
10.0	0.80	2/2	RESTLESSNESS	79	240	G
10.0	0.80	2/2	SQUINTING	79	240	G
3.2	2.6	2/2	INC LOCOMOTOR ACTIVITY	224	240	* G
3.2	2.6	2/2	INC SENSITIVITY TO TOUCH	131	240	* G
3.2	2.6	1/2	INC REARING FREQUENCY	432	240	G
3.2	2.6	1/2	IRREGULAR RESPIRATORY RATE	362	240	G
3.2	2.6	1/2	PILOERECTOR	72	240	G

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MSA REC	
1.0	0.80	2/2	INC LOCOMOTOR ACTIVITY	224	240	*	G
1.0	0.80	2/2	INC SENSITIVITY TO TOUCH	131	240	***	G
1.0	0.80	2/2	INC PREENING	140	240		G
1.0	0.80	2/2	DEC REARING FREQUENCY	632	240		G
1.0	0.80	2/2	RESTLESSNESS	79	240		G
1.0	0.80	1/2	SQUINTING	79	240		
0.32	1.6	1/2	INC LOCOMOTOR ACTIVITY	224	240	*	G
0.32	1.6	1/2	INC SENSITIVITY TO TOUCH	131	240	*	
0.32	1.6	1/2	INC PREENING	140	240		
0.32	1.6	1/2	NO EFFECT	73			
0.10	0.10	2/2	NO EFFECT	73			
120.0	2.5	2/2	DEATH	74	0		
79.0	1.6	0/2	DEATH	74	0		
63.0	1.3	0/2	DEATH	74	0		
DIL.	100% PEG 300 QS C 100% PEG 300						

LD50 130.0 -100.0-150.0-
 MED50 0.56 -0.13-1.3-
 RATIO LD50/MED50 220.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	SEC- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	1/2	DEATH	74	0	
100.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
100.0	10.0	1/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	1/2	DEC REARING FREQUENCY	632	0	30
100.0	10.0	1/2	ATAXIA	35	0	*** 30
100.0	10.0	1/2	CLONIC CONVULSIONS	136	0	120
100.0	10.0	1/2	OPISTHOTONOS	38	0	20
100.0	10.0	1/2	FANNED-FLEXED DIGITS	141	0	30
100.0	10.0	1/2	LOW POSTURE	241	0	30
100.0	10.0	1/2	EXTENSION OF LIMBS	341	0	30
100.0	10.0	1/2	UNUSUAL POSTURE	541	0	30
100.0	10.0	1/2	PLACING REFLEX ABS	442	0	30
100.0	10.0	1/2	GRASPING REFLEX ABS	642	0	30
100.0	10.0	1/2	LABYRINTHINE REFLEX DEPR	942	0	30
100.0	10.0	1/2	TREMORS-REST AND MOVEMENT	144	0	30
100.0	10.0	1/2	RIGHTING REFLEX ABS	842	0	30
100.0	10.0	1/2	MIOSIS	254	30	** G 300
100.0	10.0	1/2	INC RESPIRATORY RATE	162	0	* G 300
100.0	10.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	30

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.		MIN. APPR	DEGR REE	MIN. REC
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	***
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	0	***
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	*** G
100.0	10.0	1/2	MCT DEF VERTICAL ROD	371	0	*** G
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	0	***
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	0	*** G
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***
32.0	3.2	2/2	INC SENSITIVITY TO TOUCH	131	30	*
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	8	
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	
32.0	3.2	1/2	MYDRIASIS	154	8	**
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
10.0	10.0	2/2	MIOSIS	254	8	**
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
3.2	3.2	2/2	MYDRIASIS	154	8	**
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*
0.32	3.2	2/2	NO EFFECT	73		
160.0	16.0	2/2	DEATH	74	0	
130.0	13.0	0/2	DEATH	74	0	
79.0	7.9	0/2	DEATH	74	0	
DIL.			0.1 N HCL GS C H2O			

LD50 130.0 -100.0-160.0-
 MED50 5.6 -1.8-18.0-
 RATIO LD50/MED50 22.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	G 300
100.0	10.0	2/2	DEC SENSITIVITY TO PAIN	229	60		180
100.0	10.0	2/2	DEC SENSITIVITY TO SOUND	230	60	*	180
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	532	0		G 300
100.0	10.0	2/2	DEC PREENING	240	0		G 300
100.0	10.0	2/2	LOW POSTURE	241	30		180
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***	G 300
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	30		240
100.0	10.0	2/2	MYDRIASIS	154	30	**	240
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0		240
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		120
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0		240
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		120
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	*	15
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	8	*	30
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	8	***	150
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	*	120
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	***	120
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	***	150
100.0	10.0	2/2	LOW CARRIAGE	175	0		120

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. REC.
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*
32.0	3.2	1/2	RUBBING NOSE	340	15	
32.0	3.2	1/2	PUPILLARY LIGHT REFLEX ABS	152	30	*
32.0	3.2	1/2	MYDRIASIS	154	30	*
32.0	3.2	1/2	INC RESPIRATORY DEPTH	161	15	
32.0	3.2	1/2	DEC RESPIRATORY RATE	262	15	*
32.0	3.2	1/2	IRREGULAR RESPIRATORY RATE	362	15	*
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*
3.2	3.2	2/2	NO EFFECT	73		
160.0	16.0	2/2	DEATH	74	0	
130.0	13.0	1/2	DEATH	74	0	
79.0	7.9	0/2	DEATH	74	0	
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 63.0 -50.0-79.0-
 MED50 0.32 -0.10-1.0-
 RATIO LD50/MED50 200.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*** 120
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	120
32.0	3.2	2/2	DEC REARING FREQUENCY	632	30	120
32.0	3.2	1/2	STRAUB TAIL	233	0	8
32.0	3.2	1/2	ATAXIA	35	0	*** 8
32.0	3.2	1/2	INC PREENING	140	120	180
32.0	3.2	2/2	EXOPHTHALMOS	46	0	8
32.0	3.2	1/2	EXTENSION OF LIMBS	341	0	18
32.0	3.2	1/2	UNUSUAL POSTURE	541	0	8
32.0	3.2	1/2	INC RESPIRATORY DEPTH	161	0	18
32.0	3.2	1/2	DEC RESPIRATORY RATE	262	0	18
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	0	* 8
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	* 8
10.0	10.0	2/2	INC PREENING	140	60	120
3.2	3.2	1/2	HEAD TWITCH	531	60	* 120
3.2	3.2	2/2	INC PREENING	140	60	180

INTRAVENOUS TOXICITY TO MICE					
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPF	DEATH REL
1.0	10.0	1/2	HEAD TWITCH	531	180
1.0	10.0	2/2	INC PREENING	140	60
0.32	3.2	1/2	INC PREENING	140	60
0.32	3.2	1/2	INC SCRATCHING	440	60
0.32	3.2	1/2	NO EFFECT	73	
0.10	10.0	2/2	NO EFFECT	73	
79.0	7.9	2/2	DEATH	74	C
63.0	6.3	1/2	DEATH	74	1440
50.0	5.0	0/2	DEATH	74	0
DIL.			H2O QS C H2O		

LD50 160.0 -130.0-200.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 88.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 300
100.0	10.0	1/2	INC SENSITIVITY TO TOUCH	131	0	*** 60
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	300
100.0	10.0	2/2	DEC REARING FREQUENCY	532	0	300
100.0	10.0	2/2	STRAUB TAIL	233	0	8
100.0	10.0	2/2	ATAXIA	35	0	*** 8
100.0	10.0	1/2	MIXED CONVULSIONS	336	0	8
100.0	10.0	2/2	OPISTHOTONOS	38	0	8
100.0	10.0	2/2	DEC PREENING	240	0	120
100.0	10.0	2/2	PLACING REFLEX ABS	442	0	8
100.0	10.0	2/2	GRASPING REFLEX ABS	642	0	8
100.0	10.0	2/2	RIGHTING REFLEX ABS	842	0	8
100.0	10.0	2/2	LABYRINTHINE REFLEX ABS	042	0	8
100.0	10.0	2/2	PROSTRATION	43	0	8
100.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*** 15
100.0	10.0	2/2	MYDRIASIS	154	0	*** 180
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	* 300
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	*** 180

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIX REC
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	***
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	0	***
100.0	10.0	1/2	MOT DEF INCLINED STRIP	571	0	***
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	
32.0	3.2	1/2	MYDRIASIS	154	15	*
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP	471	8	*
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	8	*
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	120	*
10.0	10.0	2/2	RUBBING NOSE	340	120	
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	120	*
10.0	10.0	1/2	MYDRIASIS	154	8	*
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	60	***
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	120	*
3.2	3.2	2/2	INC PREENING	140	15	
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*
3.2	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	120	*
1.0	10.0	2/2	NO EFFECT	73		
200.0	20.0	2/2	DEATH	74	0	
160.0	16.0	1/2	DEATH	74	0	
130.0	13.0	0/2	DEATH	74	0	
DIL.			0.1 N HCL QS C H2O			

LD50 250.0 -200.0-320.0-
 MED50 56.0 -18.0-180.0-
 RATIO LD50/MED50 4.5

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
320.0	32.0	1/2	DEATH	74	0		
320.0	32.0	1/2	DEC LOCOMOTOR ACTIVITY	124	8	***	G 300
320.0	32.0	1/2	DEC REARING FREQUENCY	632	0		G 300
320.0	32.0	1/2	DEC PREENING	240	0		G 300
320.0	32.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G 300
320.0	32.0	1/2	PUPILLARY LIGHT REFLEX ABS	132	2		60
320.0	32.0	1/2	MYDRIASIS	154	8	*	60
320.0	32.0	1/2	INC RESPIRATORY DEPTH	151	15		130
320.0	32.0	1/2	DEC RESPIRATORY RATE	262	15		60
320.0	32.0	1/2	IRREGULAR RESPIRATORY RATE	362	15		120
320.0	32.0	1/2	MOT DEF HORIZONTAL WIRE	171	30	*	60
320.0	32.0	1/2	MOT DEF HORIZONTAL STRIP	471	15	*	180
320.0	32.0	1/2	MOT DEF VERTICAL ROD	371	15	*	60
320.0	32.0	1/2	MOT DEF ROTA-ROD	771	30	*	60
320.0	32.0	1/2	MOT DEF INCLINED STRIP	671	15	*	120
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	***	240
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	30		300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	30		300
100.0	10.0	1/2	INC RESPIRATORY DEPTH	151	15		120
100.0	10.0	1/2	DEC RESPIRATORY RATE	262	15		60

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. REC
			REACTION SIGN				
100.0	10.0	1/2	IRREGULAR RESPIRATORY RATE		362	15	
32.0	3.2	2/2	NO EFFECT		73		
400.0	40.0	2/2	DEATH		74	0	***
250.0	25.0	2/2	DEATH		74	0	
200.0	20.0	0/2	DEATH		74	0	
DIL.			0.5% M.C. SUSP GS C H2O				

LD50 180.0 -56.0-560.0-
 MED50 10.0 -3.2-32.0-
 RATIO LD50/MED50 18.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
320.0	32.0	2/2	DEATH		74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY		124	0	*** G 300
100.0	10.0	2/2	DEC SENSITIVITY TO PAIN		229	0	240
100.0	10.0	2/2	DEC SENSITIVITY TO SOUND		230	8	* 240
100.0	10.0	2/2	DEC SENSITIVITY TO TOUCH		231	8	*** 180
100.0	10.0	2/2	PINNAL REFLEX ABS		431	0	240
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED		132	0	300
100.0	10.0	2/2	DEC REARING FREQUENCY		632	0	G 300
100.0	10.0	2/2	LIMP TAIL		333	0	120
100.0	10.0	2/2	DEC MUSCLE TONE-TRUNK		237	8	60
100.0	10.0	2/2	DEC MUSCLE TONE-LIMBS		437	8	60
100.0	10.0	2/2	DEC PREENING		240	0	G 300
100.0	10.0	2/2	LOW POSTURE		241	30	180
100.0	10.0	2/2	EXTENSION OF LIMBS		341	8	60
100.0	10.0	2/2	PLACING REFLEX ABS		442	0	60
100.0	10.0	2/2	GRASPING REFLEX ABS		642	0	60
100.0	10.0	2/2	RIGHTING REFLEX ABS		842	0	8
100.0	10.0	2/2	LABYRINTHINE REFLEX ABS		042	0	60
100.0	10.0	2/2	POSITION SENSE REFLEX ABS		-42	0	60
100.0	10.0	2/2	PROSTRATION		43	8	60

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. PROP	DEG- REE	M.L. RES.
100.0	10.0	1/2	EYE OPACITY	147	60	
100.0	10.0	1/2	LACRIMATION	50	60	*
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
100.0	10.0	7/2	MYDRIASIS	154	8	**
100.0	10.0	1/2	DEC RESPIRATORY DEPTH	261	0	
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	351	5	
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	*
100.0	10.0	2/2	DEC RESPIRATORY RATE	252	8	
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	30	
100.0	10.0	2/2	DECREASED TEMPERATURE	267	60	
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	***
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	0	***
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	***
100.0	10.0	2/2	MOT DEF ROYAL-ROD	771	0	***
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	***
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	***
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	0
10.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*
10.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	*
10.0	10.0	1/2	NO EFFECT	73		
3.2	3.2	2/2	NO EFFECT	73		

DIL.

0.5% M.C. SUSP QS C H2O

LD50 180.0 -50.0-360.0-
 MED50 0.018-5.6-3-0.056-
 RATIO LD50/MED50 1.0+3

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE					
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER		
320.0	32.0	2/2	DEATH	74	0			
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G	300
100.0	10.0	2/2	DEC SENSITIVITY TO SOUND	230	15	***	G	300
100.0	10.0	1/2	EYE CPACITY	147	60			240
100.0	10.0	1/2	MYDRIASIS	154	60	*		120
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0			300
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0			300
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	15	***		300
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	15	***		300
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	15	***		300
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	15	***		300
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	15	*		300
100.0	10.0	2/2	PILORECTION	72	60			240
100.0	10.0	1/2	LOW CARRIAGE	175	0			300
100.0	10.0	1/2	SQUINTING	79	60			300
32.0	3.2	1/2	ABNORMAL REACTION TO PAIN	429	60			200
32.0	3.2	1/2	DEC SENSITIVITY TO SOUND	230	15	*	G	300
10.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*		120

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. RECC	SAMPLE
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	15	*	
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
3.2	3.2	2/2	INC SENSITIVITY TO PAIN	129	60		
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	15	***	G
3.2	3.2	2/2	SQUINTING	79	15		
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
1.0	10.0	1/2	INC SENSITIVITY TO PAIN	129	60		
1.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	*	
1.0	10.0	2/2	SQUINTING	79	15		
0.32	3.2	2/2	INC SENSITIVITY TO TOUCH	131	30	*	G
0.10	10.0	2/2	INC SENSITIVITY TO TOUCH	131	15	*	
0.032	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
0.032	3.2	1/2	INC SENSITIVITY TO TOUCH	131	60	*	G
0.001	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
0.001	10.0	1/2	INC SENSITIVITY TO TOUCH	131	60	*	G
3.2-3	3.2	2/2	NO EFFECT	73			

DIL.

0.5% M.C. SUSP QS C H2O

LD50 11.0 -8.9-14.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 20.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEATH	74	0	
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 240
10.0	10.0	2/2	INC PHONATION	128	30	240
10.0	10.0	2/2	INC SENSITIVITY TO PAIN	129	15	120
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	*** 120
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	60
10.0	10.0	2/2	MYDRIASIS	154	8	* 300
10.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	30
10.0	10.0	2/2	INC RESPIRATORY RATE	162	0	* 30
10.0	10.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	30
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 180
3.2	3.2	2/2	INC PHONATION	128	30	30
3.2	3.2	2/2	INC SENSITIVITY TO PAIN	129	15	30
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	30	*** G 300
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	30
3.2	3.2	2/2	INC PREENING	140	15	60
3.2	3.2	2/2	RUBBING NOSE	340	15	30

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN REC
3.2	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*	
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***	
1.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	*	
0.32	3.2	2/2	NO EFFECT	73			
16.0	16.0	2/2	DEATH	74	0		
13.0	13.0	2/2	DEATH	74	0		
7.9	7.9	0/2	DEATH	74	0		
DIL.			H2O QS C H2O				

LD50 16.0 -13.0-20.0-
 MED50 0.18 -0.056-0.56-
 RATIO LD50/MED50 88.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEATH	74	0	
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 30
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*** 120
10.0	10.0	2/2	INC PHONATION	128	60	180
10.0	10.0	2/2	INC REACTIVITY TO SOUND	330	15	* 120
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	30
10.0	10.0	2/2	INC RESPIRATORY RATE	162	0	* 15
10.0	10.0	1/2	MOT DEF VERTICAL ROD	371	8	* 120
10.0	10.0	1/2	MOT DEF INCLINED STRIP	671	8	* 120
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 120
3.2	3.2	2/2	INC PHONATION	128	60	120
3.2	3.2	2/2	INC REACTIVITY TO SOUND	330	15	* 120
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	30
3.2	3.2	2/2	RUBBING NOSE	340	30	120
3.2	3.2	2/2	MYDRIASIS	154	0	*** 60
3.2	3.2	1/2	MOT DEF VERTICAL ROD	371	8	* 60
3.2	3.2	1/2	MOT DEF INCLINED STRIP	671	0	* 120

INTRA VENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.		MIN. APPR	DEG- REE	MIN. RECC
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
1.0	10.0	2/2	MYDRIASIS	154	15	*
0.32	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*
0.10	10.0	2/2	NO EFFECT	73		
20.0	4.0	2/2	DEATH	74	0	
16.0	3.2	1/2	DEATH	74	0	
13.0	13.0	0/2	DEATH	74	0	
DIL.			H2O GS C H2O			

LD50 140.0 -100.0-200.0-
 MED50 0.056-0.018-0.18-
 RATIO LD50/MED50 2,518

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. RECO
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
320.0	32.0	2/2	DEATH	T4	0		
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0		G
100.0	10.0	2/2	DEC PREENING	240	0		
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G
100.0	10.0	1/2	MYDRIASIS	154	0	**	G
100.0	10.0	1/2	MIOSIS	254	120	**	
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	*	
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	8	*	
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	8	*	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0		
32.0	3.2	2/2	INC PREENING	140	30		
32.0	3.2	1/2	MYDRIASIS	154	0	**	
32.0	3.2	2/2	MOT DEF ROTA-ROD	771	8	*	
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	8	*	

INTRAVENOUS TOXICITY TO MICE				REACTION SIGN			MIN.	DEG=	MIN
DOSE	DILUT	REACT.					APPR	REE	RECC
MG/KG	ML/KG	FRACT.							
10.0	10.0	2/2	INC	LOCOMOTOR	ACTIVITY	224	0	***	
10.0	10.0	1/2	INC	SENSITIVITY	TO TOUCH	131	30	***	
10.0	10.0	2/2	DEC	REARING	FREQUENCY	632	0		
10.0	10.0	2/2	INC	PREENING		140	30		
10.0	10.0	2/2	RUBBING	NOSE		340	30		
10.0	10.0	1/2	MYDRIASIS			154	0	*	
3.2	3.2	2/2	INC	LOCOMOTOR	ACTIVITY	224	0	***	
3.2	3.2	2/2	INC	PHONATION		126	15		
3.2	3.2	1/2	INC	PREENING		140	15		
3.2	3.2	2/2	INC	SCRATCHING		440	15		
1.0	10.0	2/2	INC	LOCOMOTOR	ACTIVITY	224	0	*	
0.32	3.2	2/2	INC	LOCOMOTOR	ACTIVITY	224	0	*	
0.10	10.0	2/2	INC	SENSITIVITY	TO TOUCH	131	30	***	
0.032	3.2	2/2	NO	EFFECT		73			
200.0	20.0	2/2	DEATH			74	0		
160.0	16.0	1/2	DEATH			74	0		
130.0	13.0	1/2	DEATH			74	0		
DIL.			0.5% M.C. SUSP QS C H2O						

LD50 130.0 -100.0-150.0-
MED50 5.6 -1.8-18.0-
RATIO LD50/MED50 22.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN REC
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION	SIGN			
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G
100.0	10.0	1/2	DEC SENSITIVITY TO PAIN	229	30		
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G
100.0	10.0	2/2	DEC REARING FREQUENCY	532	0		G
100.0	10.0	2/2	LOW POSTURE	241	30		
100.0	10.0	2/2	EXTENSION OF LIMBS	341	8		
100.0	10.0	2/2	PROSTRATION	43	15		
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	
100.0	10.0	1/2	LACRIMATION	50	30	***	
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ASS	152	8		
100.0	10.0	2/2	MYDRIASIS	134	8	*	
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	*	
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0		
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	***	
100.0	10.0	2/2	MOT DEF ROTA-ROD	371	0	*	
100.0	10.0	2/2	MOT DEF INCLINED STRIP	571	0	***	
100.0	10.0	2/2	LOW CARRIAGE	175	15		

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN REC
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	60	***	
32.0	3.2	2/2	DEC REARING FREQUENCY	632	30		
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0		
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		
3.2	3.2	2/2	NO EFFECT	73			
200.0	20.0	2/2	DEATH	74	0		
160.0	16.0	2/2	DEATH	74	0		
130.0	13.0	1/2	DEATH	74	0		
79.0	7.9	0/2	DEATH	74	0		
DIL.	0.5% M.C. SUSP QS C H2O						

LD50 180.0 -36.0-560.0-
 MED50 5.6 -1.8-18.0-
 RATIO LD50/MED50 32.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
320.0	32.0	2/2	DEATH		74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY		124	8	*** 300
100.0	10.0	1/2	MYDRIASIS		154	180	* 300
100.0	10.0	1/2	INC RESPIRATORY DEPTH		161	8	300
100.0	10.0	1/2	DEC RESPIRATORY RATE		262	8	300
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN		271	30	* 300
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP		471	30	* 300
100.0	10.0	1/2	MOT DEF VERTICAL ROD		371	30	*** 300
100.0	10.0	2/2	MOT DEF ROTA-ROD		771	30	* 300
100.0	10.0	2/2	MOT DEF INCLINED STRIP		671	30	*** 300
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY		124	60	* 180
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY		124	60	* 240
3.2	3.2	2/2	NO EFFECT		73		
DIL.			0.3% M.C. SUBP QS C 420				

LD50 320.0 -100.0-1.0+3-
 MED50 56.0 -18.0-180.0-
 RATIO LD50/MED50 6.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG= REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
320.0	32.0	1/2	DEATH	74	0		
320.0	32.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G 300
320.0	32.0	1/2	DEC SENSITIVITY TO PAIN	229	8		120
320.0	32.0	1/2	DEC SENSITIVITY TO SOUND	230	8	***	120
320.0	32.0	1/2	DEC SENSITIVITY TO TOUCH	231	8	***	120
320.0	32.0	1/2	DEC REARING FREQUENCY	632	0		G 300
320.0	32.0	1/2	LIMP TAIL	333	8		120
320.0	32.0	1/2	DEC MUSCLE TONE-TRUNK	237	8		60
320.0	32.0	1/2	DEC MUSCLE TONE-LIMBS	437	8		60
320.0	32.0	1/2	DEC PREENING	240	0		G 300
320.0	32.0	1/2	LOW POSTURE	241	60		240
320.0	32.0	1/2	PROSTRATION	43	0		60
320.0	32.0	1/2	EYELID PTOSIS=NONPARALYTIC	149	30	***	G 300
320.0	32.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		120
320.0	32.0	1/2	MYDRIASIS	154	8	**	120
320.0	32.0	1/2	INC RESPIRATORY DEPTH	161	0		8
320.0	32.0	1/2	DEC RESPIRATORY DEPTH	261	8		30
320.0	32.0	1/2	DEC RESPIRATORY RATE	262	0		8
320.0	32.0	1/2	INC RESPIRATORY RATE	162	8	*	30
320.0	32.0	1/2	IRREGULAR RESPIRATORY RATE	362	0		8
320.0	32.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	***	120

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DCSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN REC
320.0	32.0	1/2	MOT DEF VERTICAL SCREEN	271	0	***
320.0	32.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	***
320.0	32.0	1/2	MOT DEF VERTICAL ROD	371	0	***
320.0	32.0	1/2	MOT DEF ROTA-ROD	771	0	***
320.0	32.0	1/2	MOT DEF INCLINED STRIP	671	0	***
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	
100.0	10.0	2/2	DEC PREENING	240	0	
100.0	10.0	2/2	INC RESPIRATORY DEPTH	151	0	
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	*
32.0	3.2	2/2	NO EFFECT	73		
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 180.0 -56.0-560.0-
MED50 56.0 -18.0-180.0-
RATIO LD50/MED50 3.2

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. NECC
DOSE MG/KG	DILUT ML/KG	RFACT. FRACT.	REACTION SIGN				
320.0	32.0	2/2	DEATH		74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY		124	30	*
100.0	10.0	1/2	PUPILLARY LIGHT REFLEX ABS		152	30	
100.0	10.0	1/2	MYDRIASIS		154	30	*
32.0	3.2	2/2	NO EFFECT		73		
DIL.			0.5% M.C. SUSP QS C H2O				

LD50 180.0 -56.0-560.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 320.0

STATE SOLID

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. REC.
320.0	32.0	2/2	DEATH		74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	
100.0	10.0	2/2	DEC SENSITIVITY TO PAIN	229	8		
100.0	10.0	2/2	DEC SENSITIVITY TO TOUCH	231	8	*	
100.0	10.0	2/2	PINNAL REFLEX ABS	431	8	***	
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0		G
100.0	10.0	2/2	STRAUB TAIL	233	0		
100.0	10.0	1/2	CLONIC CONVULSIONS	136	0		
100.0	10.0	1/2	TONIC CONVULSIONS	236	0		
100.0	10.0	2/2	OPISTHOTONOS	38	0		
100.0	10.0	2/2	DEC PREENING	240	0		
100.0	10.0	2/2	LOW POSTURE	241	0		
100.0	10.0	2/2	RIGHTING REFLEX ABS	842	0		
100.0	10.0	2/2	LABYRINTHINE REFLEX DEPR	942	0		
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	*	
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	0		
100.0	10.0	4/4	MYDRIASIS	154	0	**	
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0		
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0		

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN REC
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	***
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	0	***
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	***
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	***
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	***
32.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	60	*
32.0	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*
32.0	3.2	2/2	LACRIMATION	50	8	*
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
32.0	3.2	2/2	MYDRIASIS	154	8	**
10.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*
10.0	10.0	2/2	LACRIMATION	50	8	*
10.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
10.0	10.0	2/2	MYDRIASIS	154	8	**
3.2	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
3.2	3.2	2/2	MYDRIASIS	154	8	*
1.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
1.0	10.0	2/2	MYDRIASIS	154	8	*
0.32	3.2	2/2	NO EFFECT	73		

DIL.

0.5% M.C. SUSP QS C H2O

LD50 36.0 -26.0-49.0-
MED50 0.56 -0.18-1.8-
RATIO LD50/MED50 63.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. RECO
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
100.0	10.0	2/2	DEATH		74	0	
32.0	3.2	1/2	DEATH		74	0	
32.0	3.2	1/2	INC LOCOMOTOR ACTIVITY		224	0	***
32.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY		124	15	***
32.0	3.2	1/2	INC PHONATION		128	15	
32.0	3.2	1/2	DEC SENSITIVITY TO PAIN		229	15	
32.0	3.2	1/2	INC REACTIVITY TO SOUND		330	0	*** G
32.0	3.2	1/2	INC SENSITIVITY TO TOUCH		131	15	*
32.0	3.2	1/2	HEAD TWITCH		531	0	*
32.0	3.2	1/2	DEC REARING HEIGHT		732	0	
32.0	3.2	1/2	STRAUB TAIL		233	0	
32.0	3.2	1/2	ATAXIA		35	0	***
32.0	3.2	1/2	CLONIC CONVULSIONS		136	0	
32.0	3.2	1/2	DEC PREENING		240	0	
32.0	3.2	1/2	EXTENSION OF LIMBS		341	0	
32.0	3.2	1/2	MYDRIASIS		154	0	***. G
32.0	3.2	1/2	INC RESPIRATORY RATE		162	0	*
32.0	3.2	1/2	MOT DEF HORIZONTAL WIRE		171	0	***
32.0	3.2	1/2	MOT DEF VERTICAL SCREEN		271	0	***
32.0	3.2	1/2	MOT DEF HORIZONTAL STRIP		471	0	***

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. RECC
32.0	3.2	1/2	MOT DEF VERTICAL ROD	371	0	***
32.0	3.2	1/2	MOT DEF INCLINED STRIP	671	0	***
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
10.0	10.0	2/2	MYDRIASIS	154	0	* G
10.0	10.0	1/2	MOT DEF VERTICAL ROD	371	0	*
10.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	0	*
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
3.2	3.2	1/2	MYDRIASIS	154	0	*
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*
1.0	10.0	1/2	MYDRIASIS	154	0	* G
1.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	
0.32	3.2	2/2	NO EFFECT	73		
50.0	5.0	2/2	DEATH	74	0	
40.0	4.0	1/2	DEATH	74	0	
25.0	5.0	0/2	DEATH	74	0	***
DIL.			H2O GS C H2O			

LD50 11.0 -8.9-14.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 20.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
32.0	3.2	2/2	DEATH	74	0	
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	150
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	240
10.0	10.0	2/2	DEC REARING FREQUENCY	632	0	240
10.0	10.0	1/2	STRAUB TAIL	233	8	30
10.0	10.0	1/2	SUB-CONVULSIVE MOVEMENTS	436	8	15
10.0	10.0	2/2	OPISTHOTONOS	38	0	30
10.0	10.0	2/2	DEC PREENING	240	0	180
10.0	10.0	1/2	EXTENSION OF LIMBS	341	8	30
10.0	10.0	2/2	UNUSUAL POSTURE	541	0	15
10.0	10.0	1/2	LABYRINTHINE REFLEX DEPR	942	8	30
10.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	8	30
10.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	60
10.0	10.0	2/2	MYDRIASIS	154	8	60
10.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	120
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	30
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	60
10.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	30
10.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	0	30
10.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	120

INTRAVENOUS TOXICITY TO MICE									
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. REC		
10.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	***			
10.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	***			
10.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	***			
10.0	10.0	2/2	SPASTIC GAIT	375	0				
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***			
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0				
3.2	3.2	2/2	DEC REARING FREQUENCY	632	0				
3.2	3.2	1/2	TREMORS-REST AND MOVEMENT	144	8	*			
3.2	3.2	1/2	PUPILLARY LIGHT REFLEX ABS	152	8				
3.2	3.2	1/2	MYDRIASIS	154	8	*			
3.2	3.2	2/2	INC RESPIRATORY DEPTH	161	0				
3.2	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0				
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0				
1.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*			
1.0	10.0	2/2	DEC REARING FREQUENCY	632	15				
1.0	10.0	2/2	DEC PREENING	240	15				
0.32	3.2	2/2	NO EFFECT	73					
20.0	4.0	2/2	DEATH	74	0				
16.0	3.2	2/2	DEATH	74	0				
13.0	2.5	0/2	DEATH	74	0				
DIL.			10% TWEEN 20 QS C H2O						

LD50 180.0 -140.0-220.0-
 MED50 0.56 -0.18-1.8-
 RATIO LD50/MED50 320.0

STATE SOLID

INTRAVENOUS TOXICITY TO MICE						
DOSE	DILUT	REACT.	REACTION SIGN	MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.		APPR	REE	RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 15
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*** 300
100.0	10.0	2/2	CIRCLING MOVEMENTS	025	0	15
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 200
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	120
100.0	10.0	2/2	ATAXIA	35	0	* 15
100.0	10.0	2/2	DEC PREENING	240	0	30
100.0	10.0	2/2	GRASPING REFLEX ABS	642	0	30
100.0	10.0	1/2	MYDRIASIS	154	0	*** 240
100.0	10.0	2/2	INC RESPIRATORY RATE	162	0	* 300
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	0	*** 180
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	0	*** 180
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	*** 240
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	*** 240
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	*** 240
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	*** 240
100.0	10.0	1/2	PILOERECTION	72	120	240
32.0	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 120

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. RECC
32.0	3.2	1/2	SHOVELNOSE MOVEMENTS	925	15	
32.0	3.2	1/2	INC PHONATION	128	60	
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	
32.0	3.2	2/2	DEC REARING FREQUENCY	632	8	
32.0	3.2	1/2	MYDRIASIS	154	0	**
32.0	3.2	2/2	INC RESPIRATORY RATE	162	0	*
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	*
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	0	*
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	0	*
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
10.0	10.0	2/2	MYDRIASIS	154	0	***
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***
3.2	3.2	2/2	MYDRIASIS	154	8	**
3.2	3.2	1/2	INC RESPIRATORY RATE	162	0	*
1.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	13	*
1.0	10.0	1/2	INC RESPIRATORY RATE	162	0	*
0.32	3.2	2/2	NO EFFECT	73		
250.0	25.0	2/2	DEATH	74	0	
200.0	20.0	2/2	DEATH	74	0	
160.0	16.0	0/2	DEATH	74	0	
130.0	13.0	0/2	DEATH	74	0	
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 56.0 -18.0-180.0-
 MED50 0.18 -0.056-0.56-
 RATIO LD50/MED50 310.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE				
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0		
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G 300
32.0	3.2	2/2	DEC SENSITIVITY TO PAIN	229	8		180
32.0	3.2	2/2	DEC SENSITIVITY TO SOUND	230	8	***	120
32.0	3.2	2/2	DEC SENSITIVITY TO TOUCH	231	8	***	G 300
32.0	3.2	1/2	PINNAL REFLEX ABS	431	0		60
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		G 300
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0		G 300
32.0	3.2	1/2	STRAUB TAIL	233	8		15
32.0	3.2	2/2	LIMP TAIL	333	0		60
32.0	3.2	2/2	DEC PREENING	240	0		G 300
32.0	3.2	2/2	LOW POSTURE	241	60		120
32.0	3.2	2/2	EXTENSION OF LIMBS	341	60		120
32.0	3.2	2/2	PLACING REFLEX ABS	442	0		120
32.0	3.2	2/2	GRASPING REFLEX ABS	642	8		120
32.0	3.2	2/2	RIGHTING REFLEX DEPR	742	8		60
32.0	3.2	2/2	LABYRINTHINE REFLEX DEPR	942	60		120
32.0	3.2	2/2	POSITION SENSE REFLEX ABS	42	0		120
32.0	3.2	2/2	TREMORS-MOVEMENT ONLY	244	0	*	8
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G 300

			INTRAVENOUS TOXICITY TO MICE				
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG= REE	MIN. RECO	
32.0	3.2	1/2	LACRIMATION	50	15	*	
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	0		
32.0	3.2	2/2	MYDRIASIS	154	8	**	
32.0	3.2	2/2	HEMATURIA	358	60	G	
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	8	*	
32.0	3.2	2/2	DEC RESPIRATORY DEPTH	261	60		
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	8		
32.0	3.2	1/2	INC RESPIRATORY RATE	162	8		
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0		
32.0	3.2	2/2	MOT DEF HORIZONTAL WIRE	171	0	***	
32.0	3.2	2/2	MOT DEF VERTICAL SCREEN	271	0	***	
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	0	***	
32.0	3.2	2/2	MOT DEF ROTA-ROD	771	0	***	
32.0	3.2	2/2	MOT DEF INCLINED STRIP	671	0	***	
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	
10.0	10.0	1/2	INC SENSITIVITY TO TOUCH	131	60	*	
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	30		
10.0	10.0	2/2	DEC REARING FREQUENCY	632	30		
10.0	10.0	2/2	TREMORS-MOVEMENT ONLY	244	0	*	
10.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	120	***	
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8		
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	8		
10.0	10.0	2/2	SQUINTING	79	30		
3.2	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*	
3.2	3.2	1/2	INC LOCOMOTOR ACTIVITY	224	30	*	
3.2	3.2	1/2	SQUINTING	79	30		
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
1.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	120	***	
0.32	3.2	2/2	NO EFFECT	73			

DIL.

H2O GS C H2O

LD50 5.6 -1.8-18.0-
 MED50 0.1-3-3.2-3-3.2-3-
 RATIO LD50/MED50 5,600

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
10.0	10.0	2/2	DEATH	74	0	
3.2	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*
3.2	3.2	1/2	INC PREENING	140	120	300
3.2	3.2	2/2	TREMORS=MOVEMENT ONLY	244	0	*
3.2	3.2	2/2	EXOPHTHALMOS	46	0	8
3.2	3.2	2/2	DEC RESPIRATORY DEPTH	261	0	30
3.2	3.2	2/2	INC RESPIRATORY RATE	162	0	*
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	15	120
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*
1.0	10.0	1/2	HEAD TWITCH	531	30	130
1.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	15	30
1.0	10.0	2/2	INC PREENING	140	120	180
1.0	10.0	2/2	INC SCRATCHING	440	120	160
1.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	60	*
1.0	10.0	2/2	TREMORS=MOVEMENT ONLY	244	0	*
1.0	10.0	1/2	PT OFRECTION	72	180	G 300
1.0	10.0	2/2	RESTLESSNESS	79	180	300
0.32	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*** 120

INTRAVENOUS TOXICITY TO MICE				REACTION SIGN		MIN.	DEG-	MIN.
DOSE	DILUT	REACT.				APPR	REE	RECO
MG/KG	ML/KG	FRACT.						
0.32	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*		G
0.32	3.2	2/2	SOCIAL INTERACTION ALTERED	132	8			
0.32	3.2	2/2	INC PREENING	140	120			
0.32	3.2	2/2	INC SCRATCHING	440	120			
0.32	3.2	1/2	UNUSUAL POSTURE	541	30			
0.32	3.2	1/2	TREMORS-REST AND MOVEMENT	144	120	*		
0.32	3.2	2/2	TREMORS-MOVEMENT ONLY	244	0	*		
0.32	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	***		G
0.32	3.2	1/2	RESTLESSNESS	79	180			
0.10	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*		
0.10	10.0	1/2	HEAD TWITCH	531	60	*		
0.10	10.0	1/2	INC PREENING	140	120			
0.10	10.0	2/2	TREMORS-REST AND MOVEMENT	144	120	*		
0.10	10.0	2/2	TREMORS-MOVEMENT ONLY	244	0	*		
0.10	10.0	2/2	RESTLESSNESS	79	180			
0.032	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	***		
0.032	3.2	2/2	HEAD TWITCH	531	8	*		
0.032	3.2	1/2	INC PREENING	140	120			
0.032	3.2	2/2	TREMORS-REST AND MOVEMENT	144	120	*		
0.032	3.2	2/2	TREMORS-MOVEMENT ONLY	244	0	***		
0.032	3.2	2/2	RESTLESSNESS	79	180			
0.010	10.0	1/2	INC LOCOMOTOR ACTIVITY	224	0	*		
0.010	10.0	1/2	HEAD TWITCH	531	60			
0.010	10.0	2/2	INC PREENING	140	60			
0.010	10.0	1/2	INC SCRATCHING	440	60			
0.010	10.0	2/2	TREMORS-REST AND MOVEMENT	144	120	*		
0.010	10.0	2/2	TREMORS-MOVEMENT ONLY	244	0	*		
3.2-3	3.2	1/2	INC LOCOMOTOR ACTIVITY	224	0	*		
3.2-3	3.2	1/2	TREMORS-REST AND MOVEMENT	144	60	*		
3.2-3	3.2	2/2	TREMORS-MOVEMENT ONLY	244	0	*		
3.2-3	3.2	1/2	NO EFFECT	73				
1.0-3	10.0	1/2	CIRCLING MOVEMENTS	025	60			
1.0-3	10.0	1/2	NO EFFECT	73				
3.2-4	3.2	2/2	NO EFFECT	73				

DIL.

H2O QS C H2O

LD50 56.0 -18.0-130.0-
 MED50 3.2-3-1.0-3-1.0-3-
 RATIO LD50/MED50 175,000

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*
32.0	3.2	2/2	INC SENSITIVITY TO TOUCH	131	60	*
32.0	3.2	2/2	PINNAL REFLEX DEPR	331	30	*
32.0	3.2	2/2	HEAD TWITCH	531	60	*
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	
32.0	3.2	2/2	DEC REARING FREQUENCY	632	30	
32.0	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0	
32.0	3.2	1/2	DEC RESPIRATORY DEPTH	261	8	
32.0	3.2	2/2	INC RESPIRATORY RATE	162	0	*
32.0	3.2	1/2	DEC RESPIRATORY RATE	262	15	
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	15	
32.0	3.2	2/2	RESTLESSNESS	79	30	
10.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	60	*
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	120	*
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	60	*
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	
10.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. RECO
			REACTION SIGN				
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		
10.0	10.0	2/2	RESTLESSNESS	79	30		
3.2	3.2	1/2	INC LOCOMOTOR ACTIVITY	224	30	*	
3.2	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	120	*	
3.2	3.2	2/2	INC SENSITIVITY TO PAIN	129	30		
3.2	3.2	1/2	ABNORMAL REACTION TO PAIN	429	60		
3.2	3.2	2/2	INC SENSITIVITY TO TOUCH	131	60	*	
3.2	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		
3.2	3.2	1/2	INC REARING FREQUENCY	432	8		
3.2	3.2	2/2	INC PREENING	140	60		
3.2	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*	
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0		
3.2	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	8		
3.2	3.2	2/2	RESTLESSNESS	79	30		
1.0	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	8	*	
1.0	10.0	2/2	INC SENSITIVITY TO PAIN	129	30		
1.0	10.0	1/2	ABNORMAL REACTION TO PAIN	429	60		
1.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	*	
1.0	10.0	2/2	PINNAL REFLEX DEPR	331	8	*	
1.0	10.0	1/2	RUBBING NOSE	340	30		
1.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*	
1.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		
1.0	10.0	2/2	RESTLESSNESS	79	15		
0.32	3.2	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
0.32	3.2	2/2	INC SENSITIVITY TO PAIN	129	15		
0.32	3.2	2/2	ABNORMAL REACTION TO PAIN	429	60		
0.32	3.2	2/2	INC SENSITIVITY TO TOUCH	131	15	***	G
0.32	3.2	1/2	PINNAL REFLEX DEPR	331	8	*	
0.32	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*	
0.32	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	8		
0.32	3.2	2/2	RESTLESSNESS	79	8		
0.10	10.0	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
0.10	10.0	2/2	INC SENSITIVITY TO TOUCH	131	30	***	
0.10	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*	
0.10	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		
0.10	10.0	2/2	RESTLESSNESS	79	30		
0.032	0.32	2/2	INC LOCOMOTOR ACTIVITY	224	0	*	
0.032	0.32	2/2	INC SENSITIVITY TO TOUCH	131	15	***	G
0.032	0.32	2/2	TREMORS-REST AND MOVEMENT	144	0	*	

INTRAVENOUS TOXICITY TO MICE						
DOSE	DILUT	REACT.	REACTION SIGN	MIN.	DEG-	MIN.
MG/KG	ML/KG	FRACT.		APPR	REE	RECO
0.032	0.32	1/2	IRREGULAR RESPIRATORY RATE	362	0	
0.032	0.32	2/2	RESTLESSNESS	79	30	
0.010	10.0	1/2	INC SENSITIVITY TO TOUCH	131	30	*** G
0.010	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*
0.010	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	
0.010	10.0	2/2	RESTLESSNESS	79	8	
3.2-3	3.2	1/2	TREMORS-REST AND MOVEMENT	144	0	*
3.2-3	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	
3.2-3	3.2	2/2	RESTLESSNESS	79	0	
1.0-3	10.0	1/2	CIRCLING MOVEMENTS	025	8	
1.0-3	10.0	2/2	INC SENSITIVITY TO TOUCH	131	8	*
1.0-3	10.0	1/2	INC PREENING	140	0	
1.0-3	10.0	1/2	TREMORS-REST AND MOVEMENT	144	0	*
1.0-3	10.0	1/2	RESTLESSNESS	79	0	
3.2-4	3.2	1/2	CIRCLING MOVEMENTS	025	0	
3.2-4	3.2	1/2	NO EFFECT	73		

DIL.

0.5% M.C. SUSP QS C H2O

LD50 180.0 -56.0-560.0-
MED50 0.018-5.6-3-0.056-
RATIO LD50/MED50 10,000

STATE SOLID

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG= REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** 300
100.0	10.0	1/2	INC SENSITIVITY TO TOUCH	131	30	* G 300
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	2/2	SUB-CONVULSIVE MOVEMENTS	436	15	60
100.0	10.0	2/2	LOW POSTURE	241	15	120
100.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	* 10
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	*** G 300
100.0	10.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8	300
100.0	10.0	1/2	MYDRIASIS	154	8	* 300
100.0	10.0	2/2	HEMATURIA	358	15	200
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	120
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	120
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	120
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	120
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	8	* G 300
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	60	* 130
32.0	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	* 60

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. RECO
32.0	3.2	1/2	EYELID PTOSIS=NONPARALYTIC	149	30	*
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	60	*
10.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*
10.0	10.0	1/2	EYELID PTOSIS=NONPARALYTIC	149	30	*
3.2	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*
3.2	3.2	1/2	EYELID PTOSIS=NONPARALYTIC	149	60	*
1.0	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*
1.0	10.0	1/2	EYELID PTOSIS=NONPARALYTIC	149	120	* G
0.32	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*
0.10	10.0	2/2	TREMORS-REST AND MOVEMENT	144	0	*
0.032	3.2	1/2	BACKWARD MOVEMENTS	325	8	
0.032	3.2	1/2	CIRCLING MOVEMENTS	025	8	
0.032	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*
0.01	10.0	2/2	NO EFFECT	73		

DIL.

0.5% M.C. SUSP QS C H2O

LD50 180.0 -56.0-560.0-
 MED50 3.2 -1.0-10.0-
 RATIO LD50/MED50 56.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
100.0	10.0	2/2	DEC SENSITIVITY TO TOUCH	231	8	* 120
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	2/2	LIMP TAIL	333	0	60
100.0	10.0	2/2	DEC MUSCLE TONE-TRUNK	237	0	60
100.0	10.0	2/2	DEC MUSCLE TONE-LIMBS	437	0	60
100.0	10.0	2/2	DEC PREENING	240	0	120
100.0	10.0	2/2	LOW POSTURE	241	0	60
100.0	10.0	1/2	PLACING REFLEX ABS	442	0	60
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	* G 300
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	120
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	120
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	*** 120
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	0	* 120
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	*** 120
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	0	*** 120
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	0	*** 120
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	0	*** 120

INTRAVENOUS TOXICITY TO MICE						MIN. APPR	DEG- REE	MIN. RECOV
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN					
100.0	10.0	2/2	PILOERECTION	72	30			G
32.0	3.2	2/2	TREMORS=REST AND MOVEMENT	144	30	*		
32.0	3.2	2/2	TREMORS=MOVEMENT ONLY	244	0	*		
32.0	3.2	1/2	EYELID PTOSIS=NONPARALYTIC	149	120	*		
10.0	10.0	1/2	TREMORS=REST AND MOVEMENT	144	30	*		
10.0	10.0	1/2	TREMORS=MOVEMENT ONLY	244	0	*		
10.0	10.0	2/2	EYELID PTOSIS=NONPARALYTIC	149	60	*		
3.2	3.2	1/2	EYELID PTOSIS=NONPARALYTIC	149	60	*		
3.2	3.2	1/2	NO EFFECT	73				
1.0	10.0	2/2	NO EFFECT	73				

DIL.

0.5% M.C. SUSP QS C H2O

LD50 180.0 -56.0-560.0-
 MED50 1.8 -0.56-5.6-
 RATIO LD50/MED50 100.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*** G 300
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	2/2	LOW POSTURE	241	0	G 300
100.0	10.0	1/2	EXOPHTHALMOS	46	0	S
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	60
100.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	30	80
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	80
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	8	* 300
100.0	10.0	1/2	MOT DEF VERTICAL SCREEN	271	8	* 300
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	8	* 300
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	8	*** 300
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	8	* G 300
100.0	10.0	1/2	PILGERECTION	72	30	G 300
32.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	15	* G 300
32.0	3.2	2/2	TREMORS-MOVEMENT ONLY	244	0	* 15
10.0	10.0	2/2	TREMORS-MOVEMENT ONLY	244	0	* 15

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACY.		MIN. APPR	DEG- REE	MIN. RECO
3.2	3.2	2/2	TREMORS-MOVEMENT ONLY	244	0	*
1.0	10.0	2/2	NO EFFECT	73		
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 180.0 -56.0-560.0-
 MED50 10.0 -3.2-32.0-
 RATIO LD50/MED50 18.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	1/2	DEC SENSITIVITY TO PAIN	229	180	G 300
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	2/2	LIMP TAIL	333	0	180
100.0	10.0	2/2	LOW POSTURE	241	0	300
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	180	* G 300
100.0	10.0	2/2	MYDRIASIS	154	0	* 300
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	8	G 300
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	8	G 300
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	60	*** 300
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	60	** G 300
100.0	10.0	1/2	PILOERECTION	72	180	- G 300
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	* G 300
32.0	3.2	1/2	PILOERECTION	72	120	G 300
10.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	* G 300
10.0	10.0	1/2	NO EFFECT	73		

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	M RE
3.2	3.2	2/2	NO EFFECT	73		
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 56.0 -10.0-320.0-
 MED50 10.0 -3.2-32.0-
 RATIO LD50/MED50 5.6

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	1/2	DEATH	74	0	
100.0	10.0	1/2	DEATH	74	0	
100.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
100.0	10.0	1/2	DEC SENSITIVITY TO PAIN	229	15	190
100.0	10.0	1/2	DEC SENSITIVITY TO TOUCH	231	30	* 180
100.0	10.0	1/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	120	*** G 300
100.0	10.0	1/2	MYDRIASIS	154	60	** G 300
100.0	10.0	1/2	INC RESPIRATORY DEPTH	131	0	G 300
100.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	351	8	G 300
100.0	10.0	1/2	DEC RESPIRATORY RATE	252	0	G 300
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	30	* 240
100.0	10.0	1/2	MOT DEF VERTICAL ROD	371	30	*** G 300
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	30	*** 240
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	30	* 240
100.0	10.0	1/2	LOW CARRIAGE	175	0	180
32.0	3.2	1/2	DEATH	74	0	
31.0	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	8	* 180
32.0	3.2	1/2	DEC SENSITIVITY TO TOUCH	231	30	* 120

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. REC.
32.0	3.2	1/2	DEC REARING FREQUENCY	632	0	G
32.0	3.2	1/2	EYELID PTOSIS-NONPARALYTIC	149	60	*
32.0	3.2	1/2	LOW CARRIAGE	175	0	
32.0	3.2	1/2	MYDRIASIS	154	60	**
10.0	10.0	1/2	INC RESPIRATORY DEPTH	161	60	G
10.0	10.0	1/2	NO EFFECT	73		
3.2	3.2	2/2	NO EFFECT	73		
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 56.0 -18.0-180.0-
 MED50 1.8 -0.55-5.6-
 RATIO LD50/MED50 31.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
100.0	10.0	2/2	DEATH	74	0	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
32.0	3.2	1/2	ABNORMAL REACTION TO PAIN	429	30	G 300
32.0	3.2	2/2	DEC SENSITIVITY TO SOUND	230	15	* G 300
32.0	3.2	2/2	DEC SENSITIVITY TO TOUCH	231	30	* G 300
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	G 180
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	G 300
32.0	3.2	2/2	DEC PREENING	240	0	G 300
32.0	3.2	2/2	EYELID PTOSIS=NONPARALYTIC	149	30	*** G 300
32.0	3.2	1/2	LACRIMATION	50	240	* G 300
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	G 30
32.0	3.2	2/2	MYDRIASIS	154	8	** G 30
32.0	3.2	2/2	DYSPNEA	60	8	* G 120
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0	G 300
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	0	G 300
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	240	G 300
32.0	3.2	1/2	DECREASED TEMPERATURE	267	30	G 300
32.0	3.2	2/2	MOT DEF HORIZONTAL WIRE	171	30	* G 300
32.0	3.2	2/2	MOT DEF HORIZONTAL STRIP	471	8	*** G 300
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	30	* G 300



INTRAVENOUS TOXICITY TO MICE				REACTION SIGN		MIN.	DEG-	MON.
DOSE	DILUT	REACT.				APPR	REE	RECOV.
MG/KG	ML/KG	FRACT.						
32.0	3.2	2/2	MOT DEF ROTA-ROD		771	8	*	G 3
32.0	3.2	2/2	MOT DEF INCLINED STRIP		671	30	***	G 3
32.0	3.2	2/2	PILOERECTION		72	30		G 3
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY		124	15	*	
10.0	10.0	2/2	INC RESPIRATORY DEPTH		161	0		
10.0	10.0	2/2	DEC RESPIRATORY RATE		262	0		
3.2	3.2	1/2	DEC LOCOMOTOR ACTIVITY		124	30	*	
3.2	3.2	1/2	INC RESPIRATORY DEPTH		161	0		
3.2	3.2	1/2	DEC RESPIRATORY RATE		262	0		
3.2	3.2	4/4	IRREGULAR RESPIRATORY DEPTH		361	0		
3.2	3.2	1/2	IRREGULAR RESPIRATORY RATE		362	0		
1.0	10.0	2/2	NO EFFECT		73			

DIL. 0.5% M.C. SUSP QS C H2O

LD50 180.0 -56.0-560.0-
MED50 18.0 -5.6-56.0-
RATIO LD50/MED50 10.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	300
100.0	10.0	1/2	EXOPHTHALMOS	46	180	300
100.0	10.0	1/2	MYDRIASIS	154	15	* 300
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	G 300
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8	300
100.0	10.0	2/2	LOW CARRIAGE	175	0	240
32.0	3.2	1/2	LYELID PTOSIS-NONPARALYTIC	149	180	* G 300
32.0	3.2	2/2	MYDRIASIS	154	15	4% 300
10.0	10.0	2/2	NO EFFECT	73		
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 56.0 -18.0-180.0-
 MED50 0.10 -0.032-0.32-
 RATIO LD50/MED50 560.0

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
100.0	10.0	2/2	DEATH	74	0		
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*	300
32.0	3.2	1/2	LICKING COMPARTMENT WALLS	825	15		60
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0		30
32.0	3.2	1/2	INC PREENING	140	60		120
32.0	3.2	1/2	RUBBING NOSE	340	8		30
32.0	3.2	1/2	INC SCRATCHING	440	120		240
32.0	3.2	2/2	EYELID PTOSIS=NONPARALYTIC	149	30	***	300
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0		8
32.0	3.2	2/2	DEC RESPIRATORY DEPTH	261	8		30
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	30		60
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	0		8
32.0	3.2	2/2	INC RESPIRATORY RATE	162	8	*	30
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	30		60
32.0	3.2	2/2	MOT DEF VERTICAL ROD	371	8	*	120
32.0	3.2	2/2	MOT DEF ROTA=ROD	771	8	*	60
32.0	3.2	1/2	PILOERECTION	72	60		240
32.0	3.2	2/2	RESTLESSNESS	79	60		300
10.0	10.0	2/2	LICKING COMPARTMENT WALLS	825	30		120

INTRAVENOUS TOXICITY TO MICE REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.		MIN. APPR	DEG- REE	MIN. RECO
10.0	10.0	1/2	INC SENSITIVITY TO SOUND	130	0	*
10.0	10.0	1/2	INC REACTIVITY TO SOUND	330	0	
10.0	10.0	2/2	INC SENSITIVITY TO TOUCH	131	0	*
10.0	10.0	1/2	HEAD TWITCH	531	60	
10.0	10.0	2/2	STRAUB TAIL	233	0	
10.0	10.0	1/2	INC PREENING	140	60	
10.0	10.0	1/2	INC SCRATCHING	440	60	
10.0	10.0	1/2	UNUSUAL POSTURE	541	0	
10.0	10.0	2/2	EYELID PTOSIS=NONPARALYTIC	149	30	***
10.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	
10.0	10.0	2/2	DEC RESPIRATORY DEPTH	261	8	
10.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	15	
10.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	
10.0	10.0	2/2	INC RESPIRATORY RATE	162	8	*
10.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	15	
10.0	10.0	2/2	RESTLESSNESS	79	60	
3.2	3.2	1/2	LICKING COMPARTMENT WALLS	825	30	
3.2	3.2	1/2	INC SENSITIVITY TO SOUND	130	15	*
3.2	3.2	1/2	HEAD TWITCH	531	30	
3.2	3.2	2/2	STRAUB TAIL	233	0	
3.2	3.2	2/2	INC PREENING	140	60	
3.2	3.2	1/2	INC SCRATCHING	440	60	
3.2	3.2	2/2	EYELID PTOSIS=NONPARALYTIC	149	15	***
3.2	3.2	2/2	DEC RESPIRATORY DEPTH	261	0	
3.2	3.2	2/2	INC RESPIRATORY RATE	162	0	
3.2	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	
3.2	3.2	2/2	RESTLESSNESS	79	120	
1.0	10.0	2/2	LICKING COMPARTMENT WALLS	825	30	
1.0	10.0	1/2	HEAD TWITCH	531	60	
1.0	10.0	2/2	STRAUB TAIL	233	15	
1.0	10.0	2/2	TREMORS=REST AND MOVEMENT	144	0	*
1.0	10.0	2/2	DEC RESPIRATORY DEPTH	261	0	
1.0	10.0	2/2	INC RESPIRATORY RATE	162	0	*
1.0	10.0	1/2	PILOERECTION	72	60	
1.0	10.0	1/2	RESTLESSNESS	79	60	
0.32	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*
0.32	3.2	1/2	LICKING WALLS	825	15	
0.32	3.2	1/2	HEAD TWITCH	531	60	
0.32	3.2	2/2	STRAUB TAIL	233	15	
0.32	3.2	1/2	INC PREENING	140	60	
0.32	3.2	1/2	INC SCRATCHING	440	60	

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.		MIN. APPR	DEG- REE	MIN. REC
0.32	3.2	2/2	TREMORS-REST AND MOVEMENT	144	0	*
0.10	10.0	1/2	INC PREENING	140	60	
0.10	10.0	1/2	TREMORS-REST AND MOVEMENT	144	0	*
0.10	10.0	1/2	RESTLESSNESS	79	60	
0.10	10.0	1/2	NO EFFECT	73		
0.032	3.2	2/2	NO EFFECT	73		

DIL.

0.5% M.C. SUSP QS C H2O

LD50 100.0 -32.0-320.0-
 MED50 18.0 -5.6-56.0-
 RATIO LD50/MED50 6.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	1/2	DEATH	74	0	
100.0	10.0	1/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
100.0	10.0	1/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	* 300
100.0	10.0	1/2	INC RESPIRATORY DEPTH	161	8	G 300
100.0	10.0	1/2	DEC RESPIRATORY RATE	262	8	G 300
100.0	10.0	1/2	IRREGULAR RESPIRATORY RATE	362	15	300
100.0	10.0	1/2	MOT DEF HORIZONTAL STRIP	471	30	* 300
100.0	10.0	1/2	MOT DEF ROTA-ROD	771	30	* 300
100.0	10.0	1/2	MOT DEF INCLINED STRIP	671	30	* 300
100.0	10.0	1/2	LOW CARRIAGE	175	0	240
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	- * 300
32.0	3.2	1/2	INC RESPIRATORY DEPTH	161	15	240
32.0	3.2	1/2	DEC RESPIRATORY RATE	262	15	240
32.0	3.2	1/2	IRREGULAR RESPIRATORY RATE	362	15	240
10.0	10.0	2/2	NO EFFECT	73		

DIL.

0.5% M.C. SUSP QS C H2O

LD50 180.0 -56.0-560.0-
 MED50 10.0 -3.2-32.0-
 RATIO LD50/MED50 18.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	*** G 300
100.0	10.0	1/2	JUMPING	324	0	* 300
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G 300
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	G 300
100.0	10.0	2/2	MYDRIASIS	154	30	*** 300
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	0	G 300
100.0	10.0	2/2	INC RESPIRATORY RATE	162	8	* G 300
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	8	G 300
100.0	10.0	2/2	MOT DEF HORIZONTAL WIRE	171	30	*** 300
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	30	*** 300
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	30	*** 300
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	30	*** 300
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	30	*** 300
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	30	*** 300
100.0	10.0	2/2	LOW CARRIAGE	175	0	G 300
32.0	3.2	2/2	MYDRIASIS	154	15	* 150
10.0	1.0	1/2	INC SENSITIVITY TO SOUND	130	60	* G 300



67

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.		MIN. APPR	DEG- REE	MIN. RECC
10.0	1.0	1/2	NO EFFECT	73		
3.2	3.2	2/2	NO EFFECT	73		
DIL.			0.5% M.C. SUSP QS C H2O			

LD50 180.0 -56.0-560.0-
 MED50 3.2 -1.0-10.0-
 RATIO LD50/MED50 56.0

STATE SOLID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG= REE	MIN. TO RECOVER
320.0	32.0	2/2	DEATH	74	0	
100.0	10.0	1/2	INC LOCOMOTOR ACTIVITY	224	0	*
100.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***
100.0	10.0	1/2	CIRCLING MOVEMENTS	025	0	
100.0	10.0	2/2	DEC SENSITIVITY TO PAIN	229	8	
100.0	10.0	2/2	DEC SENSITIVITY TO SOUND	230	0	*
100.0	10.0	2/2	DEC SENSITIVITY TO TOUCH	231	8	*
100.0	10.0	2/2	PINNAL REFLEX DEPR	331	8	*
100.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	0	
100.0	10.0	2/2	DEC REARING FREQUENCY	632	0	
100.0	10.0	1/2	STRAUB TAIL	233	0	
100.0	10.0	1/2	LIMP TAIL	333	0	
100.0	10.0	1/2	ATAXIA	35	0	***
100.0	10.0	2/2	DEC PREENING	240	0	
100.0	10.0	1/2	LOW POSTURE	241	0	
100.0	10.0	1/2	EXTENSION OF LIMBS	341	0	
100.0	10.0	1/2	RIGHTING REFLEX DEPR	742	0	
100.0	10.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	***
100.0	10.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
100.0	10.0	2/2	MYDRIASIS	154	8	*

[REDACTED]

INTRAVENOUS TOXICITY TO MICE

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. RECOV
100.0	10.0	2/2	DEC RESPIRATORY DEPTH	261	0	
100.0	10.0	2/2	INC RESPIRATORY DEPTH	161	8	
100.0	10.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8	
100.0	10.0	1/2	INC RESPIRATORY RATE	162	0	*
100.0	10.0	2/2	DEC RESPIRATORY RATE	262	0	
100.0	10.0	2/2	IRREGULAR RESPIRATORY RATE	362	8	
100.0	10.0	1/2	MOT DEF HORIZONTAL WIRE	171	8	*
100.0	10.0	2/2	MOT DEF VERTICAL SCREEN	271	8	***
100.0	10.0	2/2	MOT DEF HORIZONTAL STRIP	471	8	***
100.0	10.0	2/2	MOT DEF VERTICAL ROD	371	8	***
100.0	10.0	2/2	MOT DEF ROTA-ROD	771	8	***
100.0	10.0	2/2	MOT DEF INCLINED STRIP	671	8	***
100.0	10.0	2/2	LOW CARRIAGE	175	0	
100.0	10.0	2/2	SPASTIC GAIT	375	8	
32.0	3.2	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*
32.0	3.2	2/2	SOCIAL INTERACTION ALTERED	132	0	
32.0	3.2	2/2	DEC REARING FREQUENCY	632	0	
32.0	3.2	2/2	DEC PREENING	240	8	
32.0	3.2	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*
32.0	3.2	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	
32.0	3.2	2/2	MYDRIASIS	154	8	*
32.0	3.2	1/2	DEC RESPIRATORY DEPTH	261	0	
32.0	3.2	2/2	INC RESPIRATORY DEPTH	161	0	
32.0	3.2	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	
32.0	3.2	1/2	INC RESPIRATORY RATE	162	0	*
32.0	3.2	2/2	DEC RESPIRATORY RATE	262	0	
32.0	3.2	2/2	IRREGULAR RESPIRATORY RATE	362	0	
10.0	10.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	*
10.0	10.0	2/2	SOCIAL INTERACTION ALTERED	132	15	
10.0	10.0	2/2	DEC REARING FREQUENCY	632	15	
10.0	10.0	2/2	DEC PREENING	240	15	
10.0	10.0	1/2	INC RESPIRATORY DEPTH	161	0	
10.0	10.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	
10.0	10.0	1/2	DEC RESPIRATORY RATE	262	0	
10.0	10.0	1/2	IRREGULAR RESPIRATORY RATE	362	0	
3.2	3.2	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*
3.2	3.2	1/2	DEC REARING FREQUENCY	632	15	
3.2	3.2	1/2	DEC PREENING	240	15	
3.2	3.2	1/2	IRREGULAR RESPIRATORY DEPTH	361	0	
3.2	3.2	1/2	IRREGULAR RESPIRATORY RATE	362	0	
3.2	3.2	1/2	NO EFFECT	73		

INTRAVENOUS TOXICITY TO MICE
REACTION SIGN

DOSE
MG/KG

DILUT REACT.
ML/KG FRACT.

MIN. DEGR MIN.
APPR REE RECOV

1.0

10.0

2/2

NO EFFECT

73

DIL.

0.5% M.C. SUSP QS C H2O

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE				
DCSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*	60
0.80	40.0	2/2	INC SENSITIVITY TO SOUND	130	15	*	120
0.80	40.0	2/2	INC SENSITIVITY TO TOUCH	131	60	*	120
0.80	40.0	2/2	SOCIAL INTERACTION ALTERED	132	0		120
0.80	40.0	2/2	DEC REARING FREQUENCY	632	0		120
0.80	40.0	2/2	DEC PREENING	240	0		60
0.80	40.0	2/2	LOW POSTURE	241	8		60
0.80	40.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	**	180
0.80	40.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		60
0.80	40.0	2/2	MYDRIASIS	154	8	**	60
0.80	40.0	2/2	INC RESPIRATORY DEPTH	161	0		60
0.80	40.0	2/2	INC RESPIRATORY RATE	162	0	*	8
0.80	40.0	2/2	DEC RESPIRATORY RATE	262	8		60
0.32	16.0	1/2	DEC LOCOMOTOR ACTIVITY	124	8	*	60
0.32	16.0	1/2	INC SENSITIVITY TO SOUND	130	15	*	30
0.32	16.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		60
0.32	16.0	2/2	MYDRIASIS	154	8	**	60
0.10	5.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		30
0.10	5.0	1/2	MYDRIASIS	154	8	*	30

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN. RECO
0.10	5.0	1/2	NO EFFECT			73
DIL.			H2O			

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE				
DOSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
0.80	40.0	2/2	MYDRIASIS	154	8	**	180
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***	120
0.80	40.0	2/2	INC SENSITIVITY TO SOUND	130	15	*	180
0.80	40.0	2/2	INC SENSITIVITY TO TOUCH	131	15	***	180
0.80	40.0	2/2	SOCIAL INTERACTION ALTERED	132	0		180
0.80	40.0	2/2	DEC REARING FREQUENCY	632	0		120
0.80	40.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8		180
0.80	40.0	1/2	INC RESPIRATORY DEPTH	161	15		60
0.80	40.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
0.80	40.0	1/2	DEC RESPIRATORY RATE	262	15		60
0.80	40.0	1/2	IRREGULAR RESPIRATORY RATE	362	0		15
0.32	16.0	1/2	INC SENSITIVITY TO SOUND	130	8	***	120
0.32	16.0	1/2	INC SENSITIVITY TO TOUCH	131	30	*	120
0.32	16.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		180
0.32	16.0	1/2	MYDRIASIS	154	8	**	180
0.10	5.0	1/2	INC REARING FREQUENCY	432	8		15
0.10	5.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		120
0.10	5.0	1/2	MYDRIASIS	154	8	**	120

DIL.

H2O

74

STATE-LIQUID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
0.80	40.0	1/2	DEC LOCOMOTOR ACTIVITY	124	8	*	50
0.80	40.0	2/2	INC SENSITIVITY TO SOUND	130	15	*	180
0.80	40.0	2/2	INC SENSITIVITY TO TOUCH	131	15	*	180
0.80	40.0	2/2	SOCIAL INTERACTION ALTERED	132	0		300
0.80	40.0	2/2	DEC REARING FREQUENCY	632	0		300
0.80	40.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	8	*	300
0.80	40.0	1/2	MYDRIASIS	154	15	**	G 300
0.80	40.0	2/2	INC RESPIRATORY DEPTH	161	8		300
0.80	40.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	60		300
0.32	16.0	2/2	INC SENSITIVITY TO SOUND	130	15	***	G 300
0.10	5.0	2/2	INC SENSITIVITY TO SOUND	130	15	*	300

DIL.

H2O

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*	60
0.80	40.0	2/2	SOCIAL INTERACTION ALTERED	132	0		240
0.80	40.0	2/2	DEC REARING FREQUENCY	632	0		240
0.80	40.0	1/2	INC RESPIRATORY DEPTH	161	15		240
0.80	40.0	2/2	IRREGULAR RESPIRATORY RATE	362	15		240
0.32	16.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*	60
0.32	16.0	2/2	INC SENSITIVITY TO SOUND	130	240	*	300
0.32	16.0	2/2	SOCIAL INTERACTION ALTERED	132	0		240
0.32	16.0	2/2	DEC REARING FREQUENCY	632	0		240
0.32	16.0	2/2	INC RESPIRATORY DEPTH	161	15		240
0.32	16.0	2/2	DEC RESPIRATORY RATE	262	15		240
0.10	5.0	2/2	NO EFFECT	73			

DIL.

H2O

76

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
0.80	40.0	1/2	DEATH	74	300		
0.80	40.0	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*	180
0.80	40.0	1/2	LOW POSTURE	241	0		30
0.80	40.0	1/2	EYELID-PTOSIS-NONPARALYTIC	149	60	***	180
0.80	40.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		60
0.80	40.0	1/2	MYDRIASIS	154	8	**	60
0.80	40.0	1/2	INC RESPIRATORY DEPTH	161	15		60
0.80	40.0	1/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
0.80	40.0	1/2	DEC RESPIRATORY RATE	262	15		60
0.80	40.0	1/2	IRREGULAR RESPIRATORY RATE	362	0		15
0.32	16.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8	-	60
0.32	16.0	2/2	MYDRIASIS	154	8	**	60
0.10	5.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8		60
0.10	5.0	1/2	MYDRIASIS	154	8	*	60

DIL.

H2O

STATE LIQUID

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	240
0.80	40.0	2/2	DEC SENSITIVITY TO SOUND	230	8	*	180
0.80	40.0	2/2	SOCIAL INTERACTION ALTERED	132	0		240
0.80	40.0	2/2	DEC REARING FREQUENCY	632	0		240
0.80	40.0	2/2	SUB-CONVULSIVE MOVEMENTS	486	8		60
0.80	40.0	2/2	DEC PREENING	240	8		240
0.80	40.0	2/2	TREMORS-REST AND MOVEMENT	144	15	*	60
0.80	40.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	***	240
0.80	40.0	1/2	LACRIMATION	50	30	*	60
0.80	40.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	30		120
0.80	40.0	1/2	MYDRIASIS	154	30	**	120
0.80	40.0	2/2	DYSPNEA	60	8	*	60
0.80	40.0	2/2	INC RESPIRATORY DEPTH	161	0		3
0.80	40.0	2/2	DEC RESPIRATORY DEPTH	261	8		120
0.80	40.0	2/2	DEC RESPIRATORY RATE	262	0		8
0.80	40.0	2/2	INC RESPIRATORY RATE	162	8	*	120
0.80	40.0	1/2	MOT DEF VERTICAL ROD	371	30	*	120
0.80	40.0	1/2	MOT DEF INCLINED STRIP	671	30	*	120
0.32	16.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	120
0.32	16.0	2/2	DEC SENSITIVITY TO SOUND	230	8	*	120

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN REC
0.32	16.0	2/2	SOCIAL INTERACTION ALTERED	132	0	
0.32	16.0	2/2	DEC REARING FREQUENCY	632	0	
0.32	16.0	2/2	DEC PREENING	240	8	
0.32	16.0	2/2	TREMORS-REST AND MOVEMENT	144	15	*
0.32	16.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	8	***
0.32	16.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	30	
0.32	16.0	2/2	MYDRIASIS	154	30	**
0.32	16.0	2/2	INC RESPIRATORY DEPTH	161	8	
0.32	16.0	2/2	DEC RESPIRATORY RATE	262	8	
0.32	16.0	1/2	MOT DEF INCLINED STRIP	671	30	*
0.10	5.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***
0.10	5.0	1/2	INC SENSITIVITY TO SOUND	130	8	*
0.10	5.0	2/2	INC REACTIVITY TO SOUND	330	8	*
0.10	5.0	2/2	SOCIAL INTERACTION ALTERED	132	0	
0.10	5.0	2/2	DEC REARING FREQUENCY	632	0	
0.10	5.0	2/2	DEC PREENING	240	8	
0.10	5.0	1/2	TREMORS-REST AND MOVEMENT	144	15	*
0.10	5.0	1/2	INC RESPIRATORY DEPTH	161	8	
0.10	5.0	1/2	DEC RESPIRATORY RATE	262	8	

DIL.

H2O

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER	
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN					
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	G	30
0.80	40.0	2/2	DEC PREENING	240	8		G	30
0.80	40.0	1/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G	30
0.80	40.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	8			12
0.80	40.0	2/2	MYDRIASIS	154	8	**		12
0.80	40.0	2/2	DEC RESPIRATORY DEPTH	261	0			
0.80	40.0	2/2	INC RESPIRATORY DEPTH	161	8		G	30
0.80	40.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		G	30
0.80	40.0	2/2	INC RESPIRATORY RATE	162	0	*		
0.80	40.0	2/2	DEC RESPIRATORY RATE	262	8		G	30
0.80	40.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		G	30
0.80	40.0	1/2	MOT DEF HORIZONTAL STRIP	471	8	*		3
0.80	40.0	1/2	MOT DEF VERTICAL ROD	371	8	*		3
0.80	40.0	2/2	MOT DEF INCLINED STRIP	371	8	*		3
0.32	16.0	1/2	DEC LOCOMOTOR ACTIVITY	124	30	*		12
0.32	16.0	2/2	INC SENSITIVITY TO SOUND	130	15	***		12
0.32	16.0	2/2	INC SENSITIVITY TO TOUCH	131	15	*		12
0.32	16.0	2/2	STRAUB TAIL	233	8			3
0.32	16.0	1/2	INC PREENING	140	8			3
0.32	16.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0			12

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	ME- RE
0.32	16.0	2/2	IRREGULAR RESPIRATORY RATE 362	0		
0.10	5.0	1/2	INC SENSITIVITY TO SOUND	130	30	*
0.10	5.0	2/2	STRAUB TAIL	233	15	
0.10	5.0	1/2	INC PREENING	140	8	
0.10	5.0	1/2	INC SCRATCHING	440	30	
0.10	5.0	1/2	IRREGULAR RESPIRATORY DEPTH 361	0		
0.10	5.0	1/2	IRREGULAR RESPIRATORY RATE 362	0		

DIL.	H2O					CS214 SAMPLE
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30 ***	180
0.80	40.0	2/2	IRREGULAR RESPIRATORY DEPTH 361	0		60
0.80	40.0	2/2	IRREGULAR RESPIRATORY RATE 362	0		60
0.32	16.0	1/2	INC SENSITIVITY TO SOUND	130	15 *	60
0.32	16.0	1/2	INC SENSITIVITY TO TOUCH	131	15 *	60
0.32	16.0	1/2	IRREGULAR RESPIRATORY DEPTH 361	8		60
0.32	16.0	1/2	IRREGULAR RESPIRATORY RATE 362	8		60
0.10	5.0	1/2	STRAUB TAIL	233	15	30
0.10	5.0	1/2	NO EFFECT	73		

DIL. H2O

SAMPLE #1 LARGE PARTICLES - SUPERNATE USED

SAMPLE #2 FINE PARTICLES - GOOD SUSPENSION

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE					
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER		
0.80	40.0	2/2	DEATH	74	0			
0.32	16.0	2/2	DEATH	74	0			
0.10	5.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***	G 150	
0.10	5.0	1/2	DEC SENSITIVITY TO SOUND	230	30	*	120	
0.10	5.0	2/2	SOCIAL INTERACTION ALTERED	132	0		G 180	
0.10	5.0	2/2	DEC REARING FREQUENCY	632	0		G 180	
0.10	5.0	2/2	DEC PREENING	240	8		G 180	
0.10	5.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G 180	

DIL.

H2O

62

STATE LIQUID

INTRAVENOUS TOXICITY TO MICE						
DOSE	DILUT	REACT.	REACTION SIGN	MIN.	DEG-	MIN.
MG/KG	ML/KG	FRACT.		APPR	REE	RECOVER
0.80	40.0	2/2	RUBBING NOSE	340	15	G
0.30	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***
0.30	40.0	2/2	SOCIAL INTERACTION ALTERED	132	0	G
0.80	40.0	2/2	DEC REARING FREQUENCY	632	0	G
0.80	40.0	2/2	DEC PREENING	240	0.0	G
0.80	40.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	*
0.80	40.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	8	
0.80	40.0	1/2	MYDRIASIS	154	8	*
0.80	40.0	2/2	DYSPNEA	60	8	*
0.80	40.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8	G
0.80	40.0	2/2	DEC RESPIRATORY DEPTH	261	0	
0.80	40.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8	G
0.80	40.0	2/2	INC RESPIRATORY RATE	162	0	*
0.80	40.0	2/2	DEC RESPIRATORY RATE	262	8	
0.80	40.0	2/2	IRREGULAR RESPIRATORY RATE	362	8	G
0.80	40.0	2/2	MOT DEF HORIZONTAL STRIP	471	15	***
0.80	40.0	2/2	MOT DEF ROTA-ROD	771	15	*
0.80	40.0	2/2	MOT DEF INCLINED STRIP	671	15	***
0.32	16.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***
0.32	16.0	2/2	SOCIAL INTERACTION ALTERED	132	15	
0.32	16.0	2/2	DEC REARING FREQUENCY	632	15	

INTRAVENOUS TOXICITY TO MICE						
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN REC
0.32	16.0	2/2	INC RESPIRATORY DEPTH	161	8	
0.32	16.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8	
0.32	16.0	2/2	DEC RESPIRATORY RATE	262	8	
0.32	16.0	2/2	IRREGULAR RESPIRATORY RATE	362	8	
0.10	5.0	2/2	NO EFFECT	73		
DIL.			H2O			

84

STATE LIQUID

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
			REACTION SIGN				
0.80	40.0	2/2	DEATH		74	0	
0.32	16.0	2/2	DEC LOCOMOTOR ACTIVITY	124	0	***	G 300
0.32	16.0	2/2	DEC SENSITIVITY TO SOUND	230	8	*	180
0.32	16.0	2/2	DEC SENSITIVITY TO TOUCH	231	8	*	180
0.32	16.0	1/2	PINNAL REFLEX ABS	431	8		60
0.32	16.0	2/2	SOCIAL INTERACTION ALTERED	132	0		240
0.32	16.0	2/2	DEC REARING FREQUENCY	632	0		G 300
0.32	16.0	2/2	ATAXIA	35	0	***	180
0.32	16.0	2/2	SUB-CONVULSIVE MOVEMENTS	436	0		180
0.32	16.0	2/2	DEC PREENING	240	0		180
0.32	16.0	2/2	LOW POSTURE	241	15	-	60
0.32	16.0	2/2	UNUSUAL POSTURE	541	8		60
0.32	16.0	2/2	PLACING REFLEX ABS	442	0		30
0.32	16.0	2/2	RIGHTING REFLEX DEPR	742	0		15
0.32	16.0	2/2	LABYRINTHINE REFLEX ABS	042	0		30
0.32	16.0	2/2	POSITION SENSE REFLEX ABS	-42	0		30
0.32	16.0	2/2	EYELID PTOSIS=NONPARALYTIC	149	60	***	G 300
0.32	16.0	2/2	LACRIMATION	50	0	*	15
0.32	16.0	1/2	SALIVATION	57	0	***	30
0.32	16.0	1/2	DYSPNEA	60	15	*	120

INTRAVENOUS TOXICITY TO MICE				MIN.	DEG-	MIN.
DOSE	DILUT	REACT.	REACTION SIGN	APPR	REE	REC
MG/KG	ML/KG	FRACT.				
0.32	16.0	1/2	DEC RESPIRATORY DEPTH	261	0	
0.32	16.0	2/2	INC RESPIRATORY DEPTH	161	0	
0.32	16.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	8	
0.32	16.0	1/2	INC RESPIRATORY RATE	162	0	*
0.32	16.0	2/2	DEC RESPIRATORY RATE	262	0	
0.32	16.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	
0.32	16.0	2/2	HEMORRHAGE-INJECTION SITE	169	0	***
0.32	16.0	2/2	MOT DEF HORIZONTAL WIRE	171	0	***
0.32	16.0	2/2	MOT DEF VERTICAL SCREEN	271	0	***
0.32	16.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***
0.32	16.0	2/2	MOT DEF VERTICAL ROD	371	0	***
0.32	16.0	2/2	MOT DEF ROTA-ROD	771	0	***
0.32	16.0	2/2	MOT DEF INCLINED STRIP	671	0	***
0.32	16.0	2/2	LOW CARRIAGE	175	8	
0.32	16.0	2/2	OPISTHOTONOS	38	30	
0.10	5.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	*
0.10	5.0	2/2	SOCIAL INTERACTION ALTERED	132	0	
0.10	5.0	2/2	DEC REARING FREQUENCY	632	0	G
0.10	5.0	1/2	STRAUB TAIL	233	60	
0.10	5.0	2/2	ATAXIA	35	0	***
0.10	5.0	1/2	RUBBING NOSE	340	0	
0.10	5.0	2/2	TREMORS-MOVEMENT ONLY	244	0	*
0.10	5.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*** G
0.10	5.0	1/2	PUPILLARY LIGHT REFLEX ABS	152	0	
0.10	5.0	1/2	MYDRIASIS	154	0	*
0.10	5.0	2/2	SPASTIC GAIT	375	8	

DIL.

H2O

8/2

STATE LIQUID

INTRAVENOUS TOXICITY TO MICE							
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN	MIN. APPR	DEG- REE	MIN. TO RECOVER	
0.80	40.0	2/2	DEATH	74	0		
0.32	16.0	2/2	DEATH	74	0		
0.10	5.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*** G 240	
0.10	5.0	2/2	SOCIAL INTERACTION ALTERED	132	0	60	
0.10	5.0	2/2	DEC REARING FREQUENCY	632	0	G 240	
0.10	5.0	2/2	DEC PREENING	240	0	G 240	
0.10	5.0	2/2	INC RESPIRATORY DEPTH	161	8	G 240	
0.10	5.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0	8	
0.10	5.0	2/2	DEC RESPIRATORY RATE	262	8	G 240	
0.10	5.0	2/2	IRREGULAR RESPIRATORY RATE	362	0	15	

DIL.

H2O

UNFILTERED SUPERNATE OF THE EXTRACT

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE				
DOSE	DILUT	REACT.	REACTION SIGN		MIN.	DEG-	MIN. TO
MG/KG	ML/KG	FRACT.			APPR	REE	RECOVER
0.80	40.0	2/2	DEATH	74	0		
0.32	16.0	2/2	DEATH	74	0		
0.10	5.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	*	60
0.10	5.0	2/2	DEC REARING FREQUENCY	632	15		60
0.10	5.0	2/2	DEC RESPIRATORY DEPTH	261	0		30
0.10	5.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		15
0.10	5.0	2/2	INC RESPIRATORY RATE	162	0	*	30
0.10	5.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		15

DIL.

H2O

FILTERED EXTRACT

48

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE					
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN		MIN. APPR	DEG- REE	MIN. TO RECOVER	
0.80	40.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	G	180
0.80	40.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	15	***	G	180
0.80	40.0	2/2	DEC RESPIRATORY DEPTH	261	0			15
0.80	40.0	2/2	INC RESPIRATORY RATE	162	0	*		15
0.80	40.0	1/2	HEMORRHAGE-INJECTION SITE	169	0			8
0.32	16.0	2/2	DEC LOCOMOTOR ACTIVITY	124	15	***	G	180
0.32	16.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	30	***	G	180
0.32	16.0	1/2	INC RESPIRATORY DEPTH	161	8			30
0.32	16.0	1/2	DEC RESPIRATORY RATE	262	8			30
0.32	16.0	1/2	IRREGULAR RESPIRATORY RATE	362	0			30
0.32	16.0	1/2	HEMORRHAGE-INJECTION SITE	169	0			8
0.10	5.0	2/2	DEC LOCOMOTOR ACTIVITY	124	30	***		120
0.10	5.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	60	*		120

DIL.

H2O

STATE LIQUID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
0.80	40.0	2/2	DEATH	74	0		
0.32	16.0	2/2	DEC LOCOMOTOR ACTIVITY	124	8	***	G 300
0.32	16.0	2/2	CIRCLING MOVEMENTS	025	0		8
0.32	16.0	2/2	INC REARING FREQUENCY	432	0		8
0.32	16.0	2/2	DEC REARING FREQUENCY	632	8		G 300
0.32	16.0	2/2	MIXED CONVULSIONS	336	0		8
0.32	16.0	2/2	DEC PREENING	240	0		G 300
0.32	16.0	2/2	RUBBING NOSE	340	0		120
0.32	16.0	2/2	BLINKING-EXCESSIVE	247	0		15
0.32	16.0	2/2	EYELID PTOSIS-NONPARALYTIC	149	0	***	G 300
0.32	16.0	2/2	LACRIMATION	50	0	***	120
0.32	16.0	2/2	PUPILLARY LIGHT REFLEX ABS	152	0		180
0.32	16.0	2/2	MYDRIASIS	154	0	**	180
0.32	16.0	2/2	DYSPNEA	60	0	***	60
0.32	16.0	2/2	INC RESPIRATORY DEPTH	161	0		180
0.32	16.0	2/2	IRREGULAR RESPIRATORY DEPTH	361	0		130
0.32	16.0	2/2	DEC RESPIRATORY RATE	262	0		180
0.32	16.0	2/2	IRREGULAR RESPIRATORY RATE	362	0		180
0.32	16.0	1/2	VASODILATION	265	30		60
0.32	16.0	2/2	MOT DEF HORIZONTAL STRIP	471	0	***	G 300
0.32	16.0	2/2	MOT DEF VERTICAL ROD	371	8	***	G 300

DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	INTRAVENOUS TOXICITY TO MICE REACTION SIGN	MIN. APPR	DEG- REE	MIN REC
0.32	16.0	1/2	MOT DEF ROTA-ROD	771	8	*
0.32	16.0	1/2	MOT DEF INCLINED STRIP	671	8	*** G
DIL.			H2O			

STATE SOLID

			INTRAVENOUS TOXICITY TO MICE		MIN. APPR	DEG- REE	MIN. TO RECOVER
DOSE MG/KG	DILUT ML/KG	REACT. FRACT.	REACTION SIGN				
500.0	10.0	2/4	DEATH	74	0		
500.0	10.0	1/4	DEC LOCOMOTOR ACTIVITY	124	120	*	300
500.0	10.0	1/4	INC SENSITIVITY TO SOUND	130	120	***	300
500.0	10.0	1/4	INC SENSITIVITY TO TOUCH	131	60	*	G 300
500.0	10.0	1/4	HEAD TWITCH	531	180	***	G 300
500.0	10.0	1/4	INC REARING FREQUENCY	432	120		G 300
500.0	10.0	1/4	SUB-CONVULSIVE MOVEMENTS	436	180		240
500.0	10.0	2/4	INC PREENING	140	8		30
500.0	10.0	1/4	TREMORS-MOVEMENT ONLY	244	120	*	G 300
500.0	10.0	1/4	INC RESPIRATORY DEPTH	161	120		G 300
500.0	10.0	1/4	DEC RESPIRATORY RATE	262	120		G 300
500.0	10.0	1/4	TOSSING HEAD UP AND BACK	79	180	-	240
320.0	32.0	1/2	INC LOCOMOTOR ACTIVITY	224	0	*	S
320.0	32.0	1/2	RUBBING NOSE	340	0		
320.0	32.0	1/2	NO EFFECT				
100.0	10.0	2/2	NO EFFECT	73			
DIL.			H2O QS C H2O				

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2089	0.000	515.	403.	291.	502.	337.	400.	342.	228.	229.	96.	264.	117.
MEAN		620.	538.	365.	360.	323.	229.	178.	181.	118.	157.	311.	230.
		568.	471.	328.	431.	330.	315.	260.	205.	174.	127.	288.	174.
2089	10.000	200.	96.	207.	121.	181.	100.	101.	90.	81.	39.	21.	6.
MEAN		299.	214.	133.	235.	165.	134.	82.	100.	272.	193.	119.	34.
		250.	155.	170.	178.	173.	117.	92.	95.	177.	116.	70.	20.
2089	1.000	684.	393.	465.	332.	230.	287.	175.	100.	57.	71.	9.	48.
AN		715.	494.	394.	336.	334.	468.	276.	332.	309.	350.	146.	88.
		700.	444.	430.	334.	282.	378.	226.	216.	183.	211.	78.	68.
2089	.100	241.	148.	81.	131.	121.	74.	81.	121.	141.	21.	21.	21.
MEAN		561.	392.	302.	422.	357.	454.	358.	277.	357.	327.	351.	202.
		401.	270.	192.	277.	239.	264.	220.	199.	249.	174.	186.	112.
2263	0.000	696.	739.	432.	478.	375.	374.	412.	324.	364.	211.	203.	185.
MEAN		723.	627.	522.	549.	503.	422.	440.	265.	372.	407.	354.	385.
		710.	683.	477.	514.	439.	398.	426.	295.	368.	309.	279.	285.
2263	100.000	243.	203.	102.	103.	145.	50.	28.	65.	84.	106.	171.	110.
MEAN		414.	349.	263.	237.	86.	26.	82.	286.	21.	0.	78.	118.
		329.	276.	183.	170.	116.	38.	55.	176.	53.	53.	125.	114.
2263	10.000	690.	641.	481.	451.	480.	437.	403.	398.	356.	476.	436.	635.
AN		844.	1150.	1415.	1528.	1483.	1391.	1448.	378.	1329.	1361.	1289.	1100.
		767.	896.	948.	990.	982.	914.	926.	888.	843.	919.	863.	870.

LOCOMOTOR ACTIVITY OF MICE
GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CRPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2263	1.000	331.	171.	61.	161.	151.	111.	151.	151.	151.	108.	141.	47.
MEAN		891.	614.	468.	353.	473.	377.	177.	445.	301.	293.	168.	119.
		611.	393.	265.	257.	312.	244.	164.	293.	226.	201.	155.	83.
2263	.100	354.	131.	211.	221.	103.	192.	172.	211.	111.	97.	101.	83.
MEAN		918.	660.	649.	714.	649.	760.	737.	624.	440.	518.	249.	313.
		636.	396.	430.	468.	376.	476.	455.	418.	276.	308.	175.	198.
2271	0.000	443.	343.	285.	250.	553.	251.	165.	244.	148.	396.	275.	250.
MEAN		620.	356.	350.	364.	353.	356.	258.	92.	184.	170.	76.	138.
		532.	350.	318.	307.	453.	304.	212.	168.	166.	283.	176.	194.
2271	320.000	220.	14.	63.	11.	5.	106.	7.	0.	0.	0.	28.	36.
MEAN		177.	74.	55.	16.	41.	91.	57.	31.	18.	1.	8.	0.
		203.	44.	59.	14.	23.	99.	32.	16.	9.	1.	18.	18.
2271	100.000	539.	249.	185.	218.	256.	414.	445.	372.	321.	247.	188.	179.
MEAN		770.	509.	312.	359.	414.	308.	316.	245.	226.	139.	140.	233.
		655.	379.	249.	289.	335.	361.	381.	309.	274.	193.	164.	206.
2271	100.000	546.	373.	264.	179.	184.	192.	253.	326.	338.	136.	323.	211.
MEAN		658.	519.	395.	370.	349.	339.	332.	284.	332.	313.	255.	274.
		602.	446.	330.	275.	267.	266.	293.	305.	335.	225.	289.	243.
2271	1.000	843.	741.	541.	503.	377.	413.	394.	320.	214.	164.	100.	47.
MEAN		631.	407.	312.	295.	300.	279.	286.	187.	355.	166.	199.	201.
		737.	574.	427.	399.	339.	346.	340.	254.	285.	165.	150.	124.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2438	0.000	907.	796.	745.	623.	438.	678.	213.	327.	61.	54.	39.	104.
MEAN		591.	377.	381.	308.	358.	404.	239.	392.	287.	323.	157.	119.
		749.	587.	563.	466.	398.	541.	226.	460.	174.	189.	98.	112.
2438	100.000	492.	342.	166.	154.	214.	167.	246.	231.	241.	138.	205.	192.
MEAN		453.	318.	180.	147.	140.	132.	124.	92.	85.	72.	58.	73.
		473.	330.	173.	151.	177.	150.	185.	162.	163.	105.	132.	133.
2615	0.000	419.	262.	397.	438.	346.	241.	139.	86.	90.	59.	49.	18.
MEAN		564.	267.	323.	243.	238.	268.	325.	415.	336.	227.	341.	333.
		492.	262.	360.	341.	292.	255.	232.	251.	213.	143.	195.	176.
2600	102.615	610.	379.	279.	391.	330.	276.	211.	120.	0.	17.	14.	11.
MEAN		732.	539.	413.	290.	267.	223.	305.	214.	141.	119.	104.	34.
		671.	459.	346.	341.	299.	250.	258.	167.	71.	68.	59.	23.
2615	10.000	627.	550.	473.	479.	741.	329.	461.	285.	177.	196.	92.	282.
MEAN		93.	127.	39.	31.	64.	31.	18.	28.	46.	27.	18.	7.
		360.	339.	256.	255.	403.	180.	240.	157.	112.	112.	55.	145.
2776	0.000	768.	514.	403.	376.	410.	326.	324.	273.	238.	281.	289.	257.
MEAN		610.	407.	294.	318.	341.	312.	194.	354.	229.	251.	8.	143.
		689.	467.	369.	347.	375.	219.	260.	314.	264.	166.	149.	210.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2776	32.000	544.	349.	249.	213.	264.	339.	257.	205.	195.	224.	106.	20.
MEAN		466.	254.	209.	160.	233.	254.	339.	272.	218.	207.	190.	140.
		505.	302.	229.	187.	249.	297.	298.	239.	207.	216.	148.	80.
2776	1.000	787.	424.	319.	299.	243.	391.	229.	57.	26.	9.	0.	0.
MEAN		782.	252.	336.	285.	268.	366.	292.	309.	317.	271.	7.	244.
		785.	438.	328.	292.	256.	379.	261.	183.	172.	140.	4.	122.
2808	0.000	919.	687.	535.	340.	1383.	280.	581.	278.	148.	277.	259.	107.
MEAN		866.	580.	424.	512.	404.	395.	391.	352.	467.	318.	245.	207.
		893.	634.	480.	426.	894.	338.	486.	315.	308.	298.	252.	157.
2808	32.000	326.	376.	371.	444.	1045.	194.	84.	17.	44.	12.	7.	0.
MEAN		509.	331.	323.	493.	1190.	478.	802.	381.	272.	181.	17.	4.
		418.	354.	347.	469.	1118.	336.	443.	199.	158.	97.	12.	2.
2808	10.000	830.	545.	399.	373.	471.	455.	361.	305.	286.	364.	302.	227.
MEAN		777.	465.	445.	408.	463.	376.	350.	397.	274.	253.	158.	177.
		804.	505.	422.	391.	467.	416.	356.	351.	280.	309.	230.	202.
2808	3.200	1343.	561.	435.	358.	400.	435.	444.	620.	361.	412.	757.	796.
MEAN		1650.	439.	346.	440.	512.	519.	425.	425.	294.	324.	918.	795.
		1497.	500.	391.	399.	456.	477.	435.	523.	328.	368.	838.	796.
2808	1.000	655.	452.	501.	572.	473.	485.	478.	499.	569.	420.	385.	526.
MEAN		842.	617.	423.	491.	439.	487.	432.	455.	286.	208.	450.	332.
		749.	535.	451.	532.	456.	486.	455.	477.	428.	313.	416.	429.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMpND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2844	0.000	949.	808.	597.	595.	580.	663.	510.	465.	401.	456.	234.	362.
MEAN		792.	490.	480.	323.	377.	405.	301.	276.	342.	317.	257.	245.
		871.	649.	539.	459.	479.	534.	406.	371.	372.	387.	246.	304.
2844	100.000	197.	120.	46.	27.	9.	3.	1.	5.	2.	6.	5.	16.
MEAN		151.	182.	96.	101.	74.	16.	12.	0.	3.	3.	15.	2.
		174.	151.	71.	64.	42.	10.	7.	3.	3.	5.	10.	9.
2844	10.000	684.	492.	376.	336.	413.	302.	353.	249.	271.	257.	213.	156.
MEAN		627.	422.	393.	198.	305.	279.	230.	142.	165.	129.	19.	219.
		656.	457.	385.	267.	359.	291.	292.	196.	218.	193.	116.	188.
2850	0.000	869.	611.	608.	545.	705.	634.	488.	563.	613.	610.	556.	326.
MEAN		623.	579.	354.	464.	360.	313.	382.	412.	349.	407.	250.	179.
		746.	595.	481.	505.	533.	474.	435.	488.	481.	509.	403.	253.
2850	50.000	512.	407.	161.	81.	245.	261.	57.	254.	281.	370.	362.	223.
MEAN		221.	223.	156.	207.	417.	333.	316.	296.	270.	238.	311.	268.
		367.	315.	159.	144.	331.	297.	187.	275.	276.	304.	337.	246.
2850	10.000	387.	325.	299.	273.	321.	337.	256.	333.	288.	336.	371.	277.
MEAN		992.	577.	465.	486.	561.	549.	515.	554.	540.	485.	415.	376.
		690.	451.	382.	380.	441.	443.	386.	444.	414.	411.	393.	327.
2851	0.000	563.	516.	500.	474.	442.	399.	349.	263.	355.	346.	355.	311.
MEAN		661.	521.	550.	451.	464.	814.	450.	310.	234.	258.	85.	31.
		617.	517.	525.	468.	454.	607.	400.	297.	395.	302.	225.	177.

LOCOMOTOR ACTIVITY OF MICE
GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2851	100.000	154.	77.	159.	43.	41.	20.	9.	0.	130.	244.	78.	144.
MEAN		5.	1.	14.	25.	44.	181.	12.	24.	25.	0.	58.	128.
		80.	39.	87.	34.	43.	101.	11.	12.	78.	122.	68.	136.
2851	10.000	425.	249.	428.	403.	439.	643.	106.	349.	303.	303.	361.	230.
MEAN		866.	521.	408.	559.	460.	754.	318.	117.	49.	11.	8.	13.
		646.	385.	418.	481.	450.	699.	212.	233.	176.	157.	185.	122.
2851	1.000	570.	261.	201.	276.	296.	241.	287.	259.	253.	258.	170.	173.
MEAN		654.	514.	498.	318.	353.	268.	331.	234.	213.	153.	56.	67.
		612.	388.	350.	297.	325.	255.	309.	247.	233.	206.	113.	120.
2881	0.000	960.	663.	412.	347.	385.	398.	399.	296.	258.	263.	418.	194.
MEAN		767.	458.	405.	270.	403.	370.	496.	447.	441.	384.	343.	319.
		864.	561.	409.	309.	394.	384.	448.	372.	350.	324.	381.	257.
2881	100.000	571.	443.	358.	426.	399.	401.	344.	262.	312.	225.	200.	161.
MEAN		265.	199.	205.	195.	305.	266.	266.	298.	245.	153.	97.	87.
		418.	321.	282.	311.	352.	334.	305.	280.	279.	189.	149.	124.
2881	10.000	489.	380.	391.	328.	243.	271.	331.	295.	280.	347.	228.	145.
MEAN		681.	456.	355.	447.	334.	381.	253.	338.	437.	304.	152.	186.
		585.	418.	373.	388.	289.	326.	292.	317.	359.	326.	190.	166.
2897	0.000	544.	337.	244.	219.	270.	268.	184.	123.	64.	14.	5.	13.
MEAN		737.	424.	312.	200.	251.	235.	226.	128.	133.	136.	17.	2.
		654.	481.	278.	210.	261.	252.	205.	131.	109.	75.	11.	3.

LOCOMOTOR ACTIVITY OF MICE
GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2897	100,000	8.	13.	5.	17.	33.	3.	0.	2.	0.	21.	2.	0.
		2.	0.	0.	0.	0.	0.	0.	0.	0.	73.	3.	0.
MEAN		5.	7.	3.	9.	17.	2.	0.	1.	0.	47.	3.	0.
2897	32,000	327.	319.	290.	214.	176.	89.	18.	1.	0.	7.	0.	0.
		455.	364.	360.	248.	329.	261.	260.	343.	254.	147.	31.	1.
MEAN		391.	342.	325.	231.	253.	175.	139.	172.	127.	77.	16.	1.
2897	10,000	768.	376.	283.	368.	304.	383.	236.	288.	289.	99.	26.	23.
		844.	851.	357.	361.	305.	246.	245.	155.	197.	247.	61.	15.
MEAN		806.	614.	320.	365.	305.	315.	241.	222.	243.	173.	44.	19.
2981	0,000	629.	484.	556.	453.	423.	221.	148.	30.	0.	0.	187.	101.
		617.	523.	569.	550.	481.	406.	520.	481.	359.	560.	248.	326.
MEAN		623.	504.	563.	502.	452.	314.	334.	256.	180.	280.	218.	214.
2981	100,000	21.	71.	1.	101.	21.	105.	121.	110.	81.	37.	101.	71.
		39.	34.	73.	156.	40.	243.	458.	199.	224.	320.	127.	95.
MEAN		30.	53.	37.	129.	31.	174.	290.	155.	153.	179.	114.	83.
2981	10,000	105.	125.	148.	121.	91.	120.	91.	44.	97.	81.	11.	4.
		708.	455.	514.	353.	252.	340.	318.	337.	322.	297.	275.	186.
MEAN		407.	290.	331.	237.	172.	230.	205.	191.	210.	189.	143.	95.
2981	1,000	678.	605.	383.	281.	271.	313.	136.	122.	97.	173.	264.	260.
		724.	392.	430.	273.	335.	303.	307.	199.	435.	318.	175.	219.
MEAN		701.	499.	407.	277.	304.	303.	222.	161.	266.	246.	220.	240.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
2994	0.000	516.	414.	408.	382.	312.	355.	377.	364.	216.	314.	254.	205.
MEAN		781.	694.	536.	682.	496.	406.	540.	520.	444.	431.	364.	130.
		649.	554.	472.	532.	404.	381.	459.	442.	330.	373.	309.	168.
2994	100.000	145.	107.	83.	30.	62.	64.	46.	4.	1.	0.	61.	48.
MEAN		400.	254.	260.	93.	17.	50.	201.	141.	84.	12.	19.	0.
		273.	181.	172.	62.	40.	57.	124.	73.	43.	6.	40.	24.
94	10.000	692.	416.	454.	451.	446.	364.	237.	275.	349.	286.	292.	272.
AN		298.	317.	204.	220.	280.	215.	189.	151.	133.	260.	217.	168.
		495.	367.	329.	336.	363.	290.	213.	213.	241.	273.	255.	220.
2994	1.000	673.	473.	447.	403.	399.	345.	348.	330.	215.	256.	220.	221.
MEAN		729.	637.	378.	318.	324.	259.	216.	202.	113.	1.	0.	0.
		701.	555.	413.	361.	362.	302.	282.	266.	164.	129.	110.	111.
2994	.010	392.	407.	411.	340.	417.	460.	309.	310.	207.	260.	252.	176.
MEAN		653.	519.	409.	386.	386.	433.	223.	292.	298.	420.	222.	277.
		523.	463.	410.	363.	402.	447.	266.	301.	253.	340.	237.	227.
5034	0.000	639.	390.	608.	550.	548.	482.	511.	331.	377.	383.	492.	452.
MEAN		476.	478.	456.	269.	350.	163.	439.	351.	249.	213.	240.	171.
		558.	434.	532.	1410.	449.	323.	475.	341.	313.	298.	366.	312.
5034	10.000	304.	227.	322.	254.	241.	324.	341.	152.	250.	223.	221.	230.
MEAN		661.	495.	500.	401.	372.	260.	321.	273.	375.	340.	338.	264.
		483.	361.	411.	328.	307.	292.	331.	215.	313.	282.	280.	247.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CHPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5034	1.000	571.	310.	300.	235.	248.	208.	239.	322.	239.	220.	247.	254.
MEAN		850.	1100.	469.	403.	338.	324.	418.	425.	416.	351.	365.	286.
		711.	705.	385.	319.	293.	266.	329.	374.	328.	286.	306.	275.
5034	.100	534.	297.	380.	313.	377.	345.	441.	275.	265.	207.	167.	237.
MEAN		823.	448.	465.	469.	456.	486.	369.	450.	311.	457.	325.	335.
		679.	373.	423.	391.	417.	416.	405.	363.	288.	332.	246.	286.
5036	0.000	842.	651.	539.	583.	623.	549.	547.	537.	558.	466.	513.	476.
MEAN		1027.	697.	557.	465.	517.	502.	323.	411.	279.	219.	297.	265.
		935.	674.	548.	524.	570.	526.	435.	474.	419.	343.	405.	371.
5036	10.000	373.	306.	306.	339.	346.	336.	187.	259.	266.	297.	266.	325.
MEAN		680.	453.	483.	455.	341.	532.	429.	506.	527.	483.	334.	379.
		527.	380.	395.	397.	344.	434.	308.	383.	397.	390.	300.	352.
5036	1.000	553.	504.	514.	482.	433.	459.	528.	515.	464.	283.	403.	374.
MEAN		728.	558.	509.	391.	582.	403.	449.	338.	343.	321.	191.	266.
		641.	531.	512.	437.	508.	431.	489.	427.	404.	302.	297.	320.
5036	.100	821.	566.	534.	401.	423.	562.	405.	381.	417.	308.	220.	315.
MEAN		734.	511.	466.	416.	377.	435.	654.	488.	665.	453.	489.	589.
		778.	539.	500.	409.	400.	499.	530.	435.	541.	381.	355.	452.
5049	0.000	771.	523.	474.	321.	314.	359.	245.	270.	148.	232.	137.	138.
MEAN		635.	535.	522.	420.	434.	341.	487.	428.	379.	309.	416.	413.
		703.	579.	498.	371.	374.	350.	356.	349.	264.	271.	302.	276.

LOCOMOTOR ACTIVITY OF MICE
GROUPS OF THREE MICE
COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5049	100.000	132.	55.	84.	28.	16.	7.	10.	4.	0.	8.	0.	1.
MEAN		247.	67.	50.	31.	60.	93.	36.	4.	2.	2.	7.	1.
		190.	61.	67.	30.	38.	50.	23.	4.	1.	5.	4.	1.
5049	10.000	450.	330.	213.	335.	357.	283.	125.	260.	287.	382.	277.	220.
MEAN		625.	509.	426.	312.	356.	471.	439.	415.	332.	295.	343.	399.
		538.	420.	320.	324.	357.	377.	282.	338.	310.	339.	310.	310.
5049	1.000	744.	595.	469.	398.	453.	476.	459.	208.	285.	207.	209.	280.
MEAN		707.	509.	335.	379.	305.	226.	316.	235.	188.	131.	251.	288.
		726.	552.	402.	389.	379.	351.	388.	222.	237.	169.	230.	284.
5104	0.000	803.	602.	462.	473.	336.	362.	208.	189.	224.	242.	170.	216.
MEAN		469.	426.	490.	328.	340.	353.	333.	268.	237.	187.	233.	245.
		636.	514.	476.	401.	338.	358.	271.	229.	231.	215.	202.	231.
5104	100.000	326.	73.	50.	42.	25.	22.	33.	30.	7.	8.	3.	30.
MEAN		284.	60.	40.	27.	6.	18.	3.	4.	2.	2.	0.	0.
		305.	67.	45.	35.	16.	20.	18.	17.	5.	5.	2.	15.
5104	10.000	384.	351.	310.	238.	392.	302.	277.	289.	251.	175.	25.	68.
MEAN		384.	263.	265.	328.	194.	260.	200.	103.	58.	58.	39.	13.
		384.	307.	288.	283.	293.	281.	239.	196.	155.	117.	32.	41.
5104	0.000	543.	417.	306.	266.	239.	356.	261.	189.	296.	191.	169.	130.
MEAN		1013.	722.	588.	401.	425.	427.	398.	406.	383.	258.	328.	321.
		778.	570.	447.	334.	332.	392.	330.	298.	340.	225.	249.	226.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
3104	63.100	55.	33.	35.	9.	11.	22.	1.	12.	9.	0.	0.	0.
		104.	48.	40.	43.	54.	28.	9.	2.	15.	16.	5.	15.
MEAN		80.	41.	38.	26.	33.	25.	5.	7.	12.	8.	3.	8.
5104	10.000	621.	371.	336.	184.	385.	208.	303.	225.	262.	86.	223.	141.
		867.	519.	470.	490.	530.	456.	479.	363.	276.	408.	242.	127.
MEAN		744.	445.	403.	337.	457.	332.	391.	294.	269.	247.	233.	134.
113	0.000	487.	366.	341.	261.	370.	310.	257.	292.	112.	104.	169.	138.
		630.	450.	333.	358.	319.	492.	400.	320.	364.	263.	335.	285.
AN		559.	408.	337.	310.	345.	401.	329.	306.	238.	184.	252.	212.
113	100.000	210.	157.	235.	178.	204.	153.	57.	73.	102.	26.	14.	13.
		271.	352.	148.	215.	224.	263.	184.	63.	65.	45.	74.	32.
MEAN		241.	255.	192.	197.	214.	208.	121.	71.	84.	36.	44.	23.
5113	10.000	800.	622.	607.	641.	535.	541.	417.	383.	416.	345.	219.	133.
		799.	535.	388.	439.	376.	465.	389.	247.	248.	234.	262.	207.
MEAN		800.	579.	498.	540.	456.	503.	403.	318.	332.	290.	241.	170.
5113	1.000	646.	554.	510.	531.	528.	515.	442.	434.	329.	385.	465.	415.
		606.	470.	516.	453.	507.	516.	478.	495.	466.	386.	440.	245.
MEAN		626.	512.	513.	492.	518.	516.	460.	465.	398.	386.	453.	330.
5113	0.000	722.	460.	478.	362.	341.	239.	324.	269.	210.	157.	174.	200.
		806.	605.	384.	321.	393.	429.	454.	337.	317.	275.	170.	216.
MEAN		764.	533.	431.	342.	367.	334.	389.	303.	264.	216.	172.	208.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5113	100.000	374.	274.	393.	310.	239.	148.	285.	92.	12.	3.	149.	116.
MEAN		662.	436.	268.	241.	231.	240.	259.	259.	132.	55.	23.	3.
		512.	355.	331.	276.	235.	194.	273.	175.	72.	29.	86.	60.
5113	10.000	798.	504.	350.	301.	317.	420.	409.	263.	268.	303.	232.	245.
MEAN		869.	562.	330.	380.	354.	284.	194.	293.	175.	214.	211.	106.
		834.	533.	340.	341.	336.	352.	302.	278.	222.	259.	222.	176.
24	0.000	767.	722.	491.	493.	390.	437.	412.	416.	303.	320.	316.	345.
MEAN		679.	557.	397.	475.	534.	500.	524.	417.	385.	299.	314.	427.
		723.	640.	444.	484.	462.	469.	468.	417.	344.	310.	315.	386.
5124	100.000	261.	198.	149.	65.	30.	121.	72.	49.	34.	3.	0.	7.
MEAN		191.	107.	150.	124.	110.	148.	233.	184.	171.	94.	98.	58.
		226.	153.	150.	95.	70.	135.	153.	117.	103.	49.	49.	33.
5124	10.000	354.	346.	363.	343.	303.	294.	312.	241.	166.	191.	93.	86.
MEAN		665.	325.	430.	538.	480.	417.	355.	329.	270.	215.	277.	189.
		510.	366.	398.	441.	382.	356.	334.	265.	218.	203.	185.	138.
5124	1.000	665.	527.	392.	357.	301.	335.	380.	372.	254.	210.	328.	247.
MEAN		902.	1320.	409.	1294.	280.	361.	270.	198.	300.	540.	520.	320.
		784.	924.	401.	326.	291.	348.	325.	285.	277.	375.	424.	284.
5129	0.000	1173.	1008.	734.	732.	654.	665.	338.	504.	392.	415.	292.	180.
MEAN		635.	511.	573.	453.	471.	435.	398.	396.	405.	259.	343.	178.
		904.	760.	654.	593.	563.	550.	368.	450.	399.	337.	316.	179.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5129	32.000	239.	208.	224.	117.	219.	66.	199.	194.	320.	283.	181.	265.
MEAN		147.	122.	414.	428.	433.	363.	262.	245.	283.	239.	178.	254.
		193.	165.	319.	273.	326.	215.	231.	220.	302.	261.	180.	260.
5129	10.000	538.	311.	301.	286.	378.	420.	351.	322.	250.	256.	244.	192.
MEAN		697.	460.	337.	308.	296.	381.	257.	254.	327.	172.	121.	65.
		618.	396.	319.	297.	337.	401.	304.	288.	289.	214.	183.	129.
5145	0.000	672.	504.	459.	314.	370.	307.	806.	347.	317.	792.	363.	261.
MEAN		670.	565.	459.	582.	518.	532.	565.	434.	642.	494.	420.	315.
		671.	535.	459.	446.	444.	420.	686.	391.	480.	643.	392.	288.
5145	10.000	234.	75.	71.	83.	54.	55.	167.	72.	34.	37.	2.	153.
MEAN		237.	103.	42.	36.	55.	83.	153.	70.	28.	375.	181.	103.
		236.	90.	57.	60.	55.	69.	160.	71.	31.	206.	92.	128.
5143	1.000	560.	403.	347.	252.	306.	460.	366.	316.	230.	258.	290.	112.
MEAN		409.	463.	336.	341.	283.	262.	294.	291.	334.	215.	239.	210.
		485.	434.	343.	297.	295.	361.	330.	304.	285.	237.	265.	161.
5145	.100	470.	369.	289.	342.	328.	219.	218.	253.	195.	325.	183.	142.
MEAN		697.	476.	458.	266.	285.	289.	244.	259.	172.	155.	98.	137.
		584.	423.	374.	304.	307.	254.	231.	256.	184.	240.	141.	140.
5211	0.000	711.	467.	375.	320.	305.	280.	361.	218.	274.	190.	212.	197.
MEAN		580.	406.	331.	253.	190.	318.	261.	182.	202.	130.	134.	152.
		636.	437.	353.	287.	248.	299.	311.	200.	238.	160.	173.	175.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
5211	100.000	211.	143.	195.	4.	300.	406.	396.	337.	98.	134.	131.	83.
		51.	109.	0.	100.	159.	276.	296.	89.	300.	540.	520.	320.
MEAN		131.	127.	98.	52.	220.	341.	346.	213.	199.	337.	326.	202.
5211	10.000	436.	340.	303.	255.	256.	191.	316.	212.	289.	114.	81.	41.
		674.	477.	350.	361.	391.	297.	360.	225.	248.	203.	219.	28.
MEAN		555.	409.	327.	308.	324.	244.	338.	219.	269.	159.	150.	35.
5211	1.000	826.	747.	558.	547.	529.	488.	486.	450.	539.	527.	364.	343.
		878.	559.	645.	523.	402.	423.	357.	411.	264.	454.	303.	261.
MEAN		852.	653.	602.	535.	466.	456.	422.	431.	402.	491.	334.	308.
8658	0.000	454.	436.	453.	364.	382.	425.	344.	373.	436.	318.	213.	244.
		568.	569.	546.	566.	653.	525.	594.	363.	518.	451.	373.	432.
MEAN		511.	503.	550.	465.	518.	475.	469.	358.	477.	385.	294.	338.
8658	10.000	646.	553.	471.	447.	227.	382.	353.	359.	380.	251.	279.	200.
		853.	675.	568.	237.	423.	418.	549.	365.	357.	214.	282.	303.
MEAN		751.	614.	505.	341.	325.	400.	352.	362.	369.	233.	281.	253.
8658	1.000	573.	400.	246.	257.	241.	281.	363.	287.	332.	373.	402.	332.
		782.	435.	421.	396.	378.	436.	426.	214.	293.	310.	195.	291.
MEAN		678.	418.	334.	327.	310.	359.	395.	251.	313.	342.	299.	312.
8658	0.000	943.	593.	530.	371.	500.	367.	384.	409.	398.	285.	249.	305.
		623.	444.	442.	291.	403.	333.	251.	280.	243.	229.	204.	211.
MEAN		783.	515.	486.	331.	454.	350.	318.	345.	322.	257.	227.	258.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPNC	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
	32.000	19.	158.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MEAN		0.	25.	8.	0.	40.	1.	28.	37.	85.	0.	0.	0.
		10.	92.	4.	0.	20.	1.	14.	19.	43.	0.	0.	0.
	10.000	602.	273.	203.	125.	124.	170.	57.	83.	43.	8.	20.	90.
MEAN		731.	629.	545.	401.	475.	221.	307.	299.	245.	206.	239.	243.
		667.	451.	374.	263.	300.	196.	182.	194.	144.	107.	130.	167.
	1.000	1223.	926.	825.	887.	726.	724.	614.	542.	485.	481.	382.	439.
MEAN		678.	338.	362.	314.	348.	302.	219.	238.	107.	125.	322.	73.
		951.	637.	594.	601.	537.	513.	417.	390.	296.	303.	352.	258.
	.100	684.	486.	307.	367.	389.	385.	141.	131.	156.	404.	285.	135.
MEAN		642.	425.	354.	387.	350.	233.	202.	205.	166.	103.	71.	6.
		663.	455.	336.	367.	375.	309.	175.	168.	162.	253.	175.	72.
	0.000	715.	587.	477.	485.	440.	462.	399.	252.	388.	420.	264.	273.
MEAN		550.	357.	393.	360.	421.	342.	332.	271.	213.	242.	264.	253.
		633.	472.	435.	423.	431.	402.	356.	262.	301.	331.	277.	265.
	32.000	418.	331.	253.	187.	265.	306.	260.	219.	138.	48.	22.	9.
MEAN		786.	407.	246.	285.	374.	298.	355.	284.	148.	105.	10.	8.
		602.	369.	250.	236.	320.	302.	308.	253.	143.	77.	16.	9.
	10.000	793.	395.	251.	356.	332.	507.	321.	355.	222.	84.	182.	212.
MEAN		480.	413.	473.	257.	306.	303.	300.	130.	200.	204.	180.	169.
		637.	404.	362.	307.	319.	305.	311.	243.	211.	144.	181.	191.

80

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

COMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
93463	1.000	350.	340.	240.	253.	182.	249.	222.	105.	112.	132.	82.	54.
MEAN		755.	701.	440.	305.	303.	403.	386.	405.	296.	290.	257.	173.
		553.	521.	343.	279.	243.	326.	304.	257.	204.	211.	172.	114.
934621	0.000	570.	414.	382.	315.	305.	423.	257.	203.	222.	238.	194.	202.
MEAN		634.	555.	512.	484.	482.	416.	404.	353.	254.	225.	189.	103.
		607.	488.	447.	401.	394.	420.	331.	278.	238.	232.	192.	153.
621	32.000	584.	320.	272.	209.	217.	301.	132.	139.	162.	181.	52.	13.
MEAN		712.	476.	385.	350.	203.	200.	68.	13.	22.	67.	37.	17.
		638.	403.	329.	280.	210.	251.	100.	76.	92.	124.	43.	15.
934621	10.000	436.	337.	300.	326.	276.	311.	346.	203.	254.	226.	314.	142.
MEAN		681.	660.	580.	501.	600.	582.	497.	230.	322.	311.	101.	178.
		559.	497.	440.	415.	438.	447.	423.	217.	290.	269.	208.	139.
934621	1.000	651.	455.	378.	361.	420.	411.	442.	224.	410.	354.	208.	346.
MEAN		672.	403.	283.	280.	294.	265.	223.	266.	232.	239.	194.	150.
		662.	478.	331.	471.	357.	338.	333.	396.	331.	297.	241.	253.
934629	0.000	680.	338.	362.	325.	343.	364.	403.	376.	316.	248.	217.	263.
MEAN		551.	441.	420.	310.	370.	409.	224.	241.	302.	383.	429.	420.
		616.	390.	391.	316.	357.	397.	314.	359.	309.	316.	323.	342.
934629	32.000	462.	244.	171.	241.	182.	187.	205.	110.	103.	63.	138.	70.
MEAN		879.	533.	434.	384.	341.	400.	290.	388.	223.	263.	168.	158.
		671.	389.	303.	313.	262.	294.	248.	249.	163.	165.	153.	114.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
934629	10.000	762.	443.	294.	318.	228.	301.	373.	289.	198.	128.	108.	24.
MEAN		543.	481.	287.	300.	254.	258.	192.	267.	218.	108.	72.	19.
		653.	462.	291.	309.	241.	280.	283.	278.	208.	118.	90.	22.
934629	1.000	631.	443.	370.	299.	277.	293.	294.	361.	197.	257.	158.	116.
MEAN		554.	333.	304.	259.	265.	165.	130.	130.	121.	144.	3.	4.
		593.	388.	337.	279.	271.	229.	212.	246.	159.	201.	81.	60.
4631	0.000	310.	307.	362.	293.	324.	340.	299.	329.	239.	283.	138.	55.
MEAN		780.	463.	348.	226.	282.	231.	237.	236.	69.	35.	8.	6.
		545.	385.	355.	255.	303.	286.	268.	283.	154.	159.	73.	31.
934631	100.000	364.	339.	141.	309.	276.	308.	323.	248.	212.	68.	32.	9.
MEAN		676.	460.	563.	449.	372.	358.	455.	396.	302.	140.	146.	167.
		520.	400.	352.	379.	324.	333.	389.	322.	257.	104.	89.	88.
934631	10.000	626.	453.	454.	501.	502.	404.	497.	450.	373.	416.	390.	330.
MEAN		535.	485.	361.	396.	382.	333.	422.	320.	306.	272.	208.	156.
		581.	469.	408.	449.	442.	369.	460.	385.	340.	344.	299.	243.
934631	1.000	732.	520.	369.	347.	372.	271.	284.	135.	218.	197.	152.	133.
MEAN		820.	472.	408.	392.	306.	340.	386.	371.	197.	170.	123.	41.
		776.	496.	389.	370.	339.	306.	335.	253.	208.	184.	138.	87.
934637	0.000	459.	423.	489.	378.	346.	422.	413.	262.	407.	425.	290.	270.
MEAN		534.	398.	430.	359.	536.	431.	352.	380.	352.	297.	304.	258.
		497.	411.	460.	369.	441.	427.	383.	321.	380.	361.	297.	264.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CNPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
934637	32.000	520.	340.	411.	326.	338.	241.	371.	311.	369.	311.	230.	141.
MEAN		704.	509.	456.	506.	486.	535.	612.	348.	354.	295.	217.	204.
		612.	433.	434.	416.	412.	389.	492.	330.	362.	303.	224.	173.
934637	10.000	686.	540.	443.	585.	463.	428.	458.	356.	314.	191.	375.	268.
MEAN		840.	871.	760.	386.	399.	429.	360.	220.	382.	228.	233.	125.
		763.	706.	602.	486.	431.	429.	409.	288.	348.	210.	304.	197.
934637	1.000	727.	600.	344.	411.	393.	290.	314.	391.	272.	295.	199.	132.
MEAN		679.	492.	401.	383.	471.	502.	654.	373.	284.	552.	262.	170.
		703.	546.	373.	397.	432.	396.	484.	382.	278.	424.	231.	151.
934663	0.000	692.	509.	510.	446.	184.	456.	335.	379.	277.	145.	77.	7.
MEAN		631.	621.	491.	461.	344.	346.	454.	339.	268.	312.	212.	157.
		662.	565.	501.	454.	264.	401.	395.	359.	273.	229.	145.	82.
934663	10.000	501.	430.	392.	327.	213.	253.	165.	225.	70.	89.	92.	119.
MEAN		703.	454.	393.	365.	248.	153.	288.	145.	141.	117.	0.	1.
		602.	442.	393.	346.	231.	203.	227.	185.	106.	103.	46.	60.
934663	1.000	784.	418.	307.	469.	244.	369.	111.	76.	69.	14.	35.	0.
MEAN		807.	556.	385.	403.	318.	256.	206.	169.	107.	36.	1.	0.
		796.	487.	346.	436.	281.	313.	159.	123.	88.	25.	18.	0.
934663	0.100	403.	397.	445.	200.	284.	236.	269.	93.	332.	146.	190.	141.
MEAN		535.	485.	520.	363.	102.	73.	2.	0.	0.	6.	0.	0.
		469.	441.	483.	282.	193.	155.	136.	47.	166.	76.	95.	71.

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

CMPND	LEVEL	5MIN	10MIN	15MIN	20MIN	25MIN	30MIN	35MIN	40MIN	45MIN	50MIN	55MIN	60MIN
934685	0.000	665.	546.	619.	351.	312.	317.	190.	172.	240.	4.	34.	16.
		659.	586.	481.	438.	430.	310.	337.	303.	336.	262.	267.	222.
MEAN		667.	566.	450.	395.	371.	314.	264.	238.	288.	133.	151.	119.
934685	10.000	770.	479.	373.	374.	289.	298.	217.	110.	33.	0.	13.	14.
		594.	289.	225.	297.	344.	328.	396.	190.	312.	208.	20.	8.
MEAN		682.	584.	299.	336.	317.	313.	307.	150.	173.	104.	17.	11.
934685	1.000	614.	441.	444.	318.	346.	316.	310.	309.	163.	200.	99.	34.
		822.	565.	483.	392.	358.	434.	389.	327.	164.	217.	102.	65.
MEAN		718.	514.	465.	355.	357.	375.	350.	318.	164.	209.	101.	50.
934687	0.000	525.	548.	426.	347.	375.	503.	346.	310.	323.	332.	201.	218.
		515.	497.	430.	415.	373.	317.	382.	306.	380.	302.	192.	128.
MEAN		520.	523.	428.	382.	374.	410.	364.	308.	352.	317.	197.	173.
934687	10.000	575.	209.	244.	274.	267.	225.	129.	27.	35.	1.	1.	0.
		908.	570.	550.	440.	323.	559.	407.	382.	170.	276.	115.	183.
MEAN		742.	440.	397.	357.	295.	393.	268.	205.	103.	139.	58.	92.
934687	1.000	557.	483.	408.	326.	371.	282.	326.	287.	145.	45.	1.	0.
		804.	537.	405.	422.	528.	435.	437.	336.	231.	90.	23.	43.
MEAN		681.	510.	407.	374.	450.	359.	382.	312.	188.	68.	12.	22.
940513	0.000	761.	510.	428.	407.	378.	215.	346.	261.	308.	89.	220.	64.
		849.	656.	560.	439.	487.	371.	329.	354.	156.	35.	76.	48.
MEAN		805.	583.	524.	423.	433.	293.	338.	308.	232.	62.	148.	53.

TIME

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CUMULATIVE COUNTS PER 3 MICE FOR # 2263 AT 10.000 MG PER KG

1000. 3000. 4000. 5000. 6000. 7000. 8000. 9000.

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TIME IN MIN.

3263 AT 1,000 MG PER KG

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3000

1000.

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TIME IN MIN. CUMULATIVE COUNTS PER 5 MICE FOR # 2253 AT .100 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 7000. 9000. 10000.



TIME IN MIN. C. 0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

5. - +
10. - +
15. - +
20. - +
25. - +
30. - +
35. - +
40. - +
45. - +
50. - +
55. - +

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

CUMULATIVE COUNTS PER 3 MICE FOR # 2271 AT 100.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

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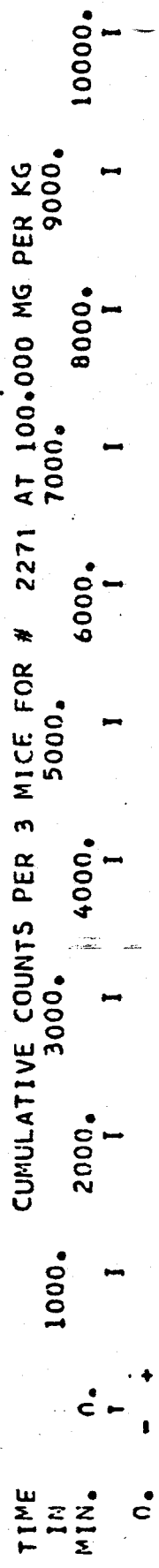
1 1 1 1 1 1 1 1 1 1 1 1 1

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CUMULATIVE COUNTS PER 3 MICE FOR # 2271 AT 100.000 MG PER KG



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2271 AT 1.000 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0. 1 1 1 1 1 1 1 1 1 1

5. - +

10. - +

15. - +

20. - +

25. - +

30. - +

35. - +

40. - +

45. - +

50. - +

55. - +

CUMULATIVE COUNTS PER 3 MICE FOR # 2438 AT 0.000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 0. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|
| 5. | - | + | | | | | | | | | |
| 10. | - | | + | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | | + | | | | | | | |
| 25. | - | | | | + | | | | | | |
| 30. | - | | | | | + | | | | | |
| 35. | - | | | | | | + | | | | |
| 40. | - | | | | | | | + | | | |
| 45. | - | | | | | | | | + | | |
| 50. | - | | | | | | | | | + | |
| 55. | - | | | | | | | | | | + |

CUMULATIVE COUNTS PER 3 MICE FOR # 2438 AT 100.000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | + | + | + | + | + | + | + | + | + |
| 5. | - | + | + | + | + | + | + | + | + | + | + |
| 10. | - | + | + | + | + | + | + | + | + | + | + |
| 15. | - | + | + | + | + | + | + | + | + | + | + |
| 20. | - | + | + | + | + | + | + | + | + | + | + |
| 25. | - | + | + | + | + | + | + | + | + | + | + |
| 30. | - | + | + | + | + | + | + | + | + | + | + |
| 35. | - | + | + | + | + | + | + | + | + | + | + |
| 40. | - | + | + | + | + | + | + | + | + | + | + |
| 45. | - | + | + | + | + | + | + | + | + | + | + |
| 50. | - | + | + | + | + | + | + | + | + | + | + |
| 55. | - | + | + | + | + | + | + | + | + | + | + |

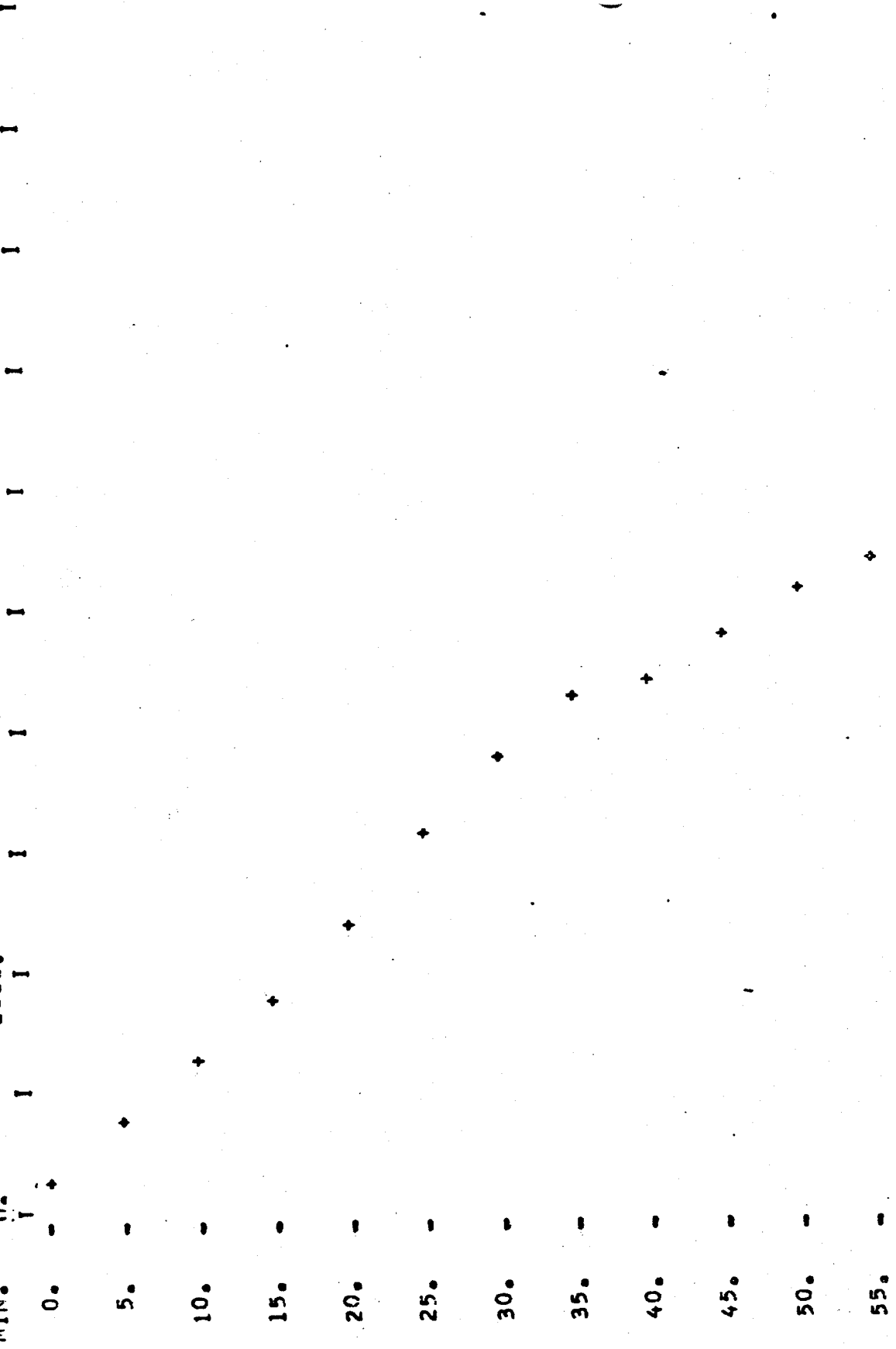
CUMULATIVE COUNTS PER 3 MICE FOR # 2438 AT 10.000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | + | | | | | | | | |
| 30. | - | | | | | | | | | | |
| 35. | - | | | | | | | | | | |
| 40. | - | | | | | | | | | | |
| 45. | - | | | | | | | | | | |
| 50. | - | | | | | | | | | | |
| 55. | - | | | | | | | | | | |

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 2615 AT 0.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR # 2615 AT 10.000 MG PER KG

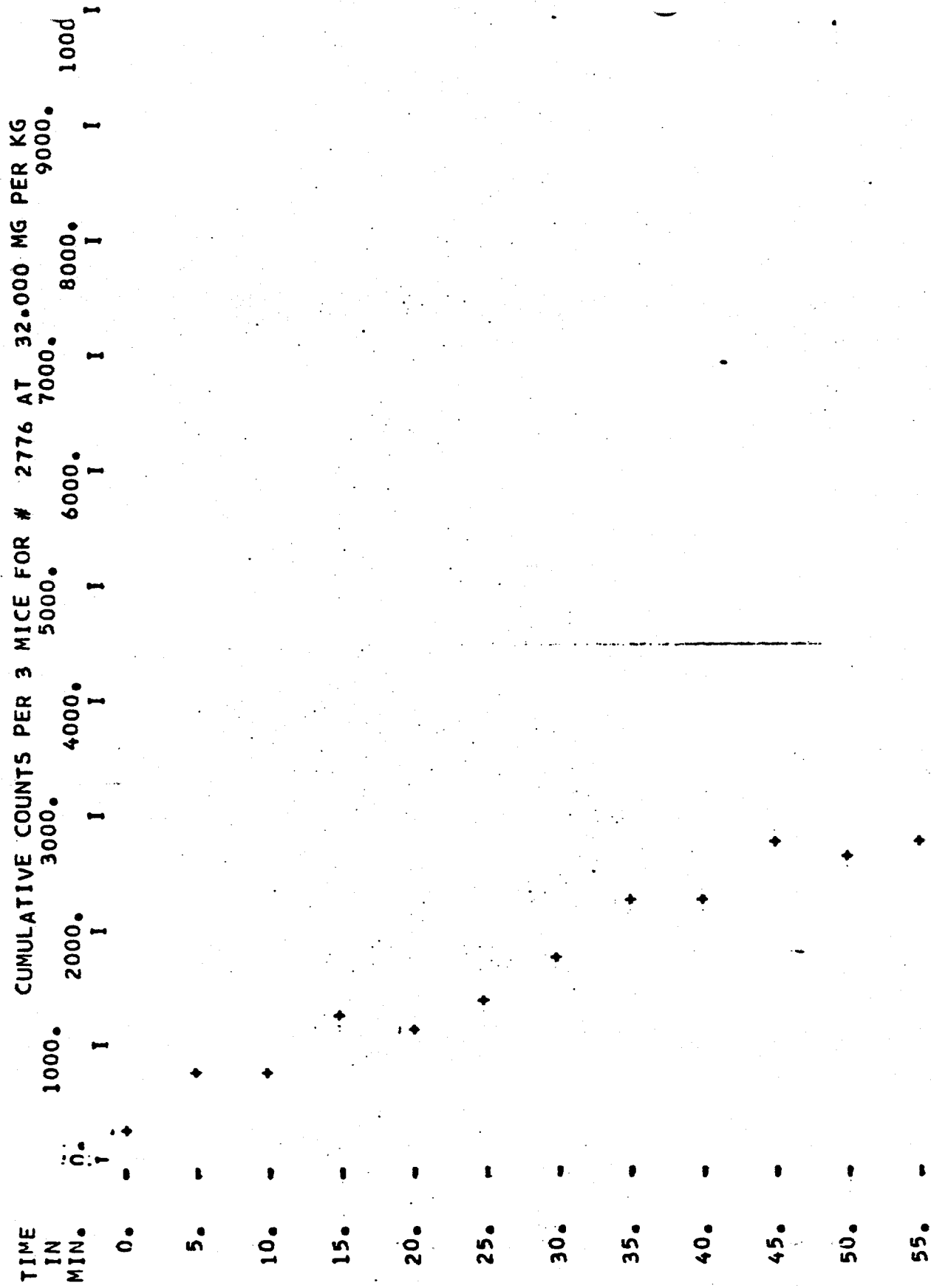
| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | + | + | + | + | + | + | + | + | + |
| 5. | - | + | + | + | + | + | + | + | + | + | + |
| 10. | - | + | + | + | + | + | + | + | + | + | + |
| 15. | - | + | + | + | + | + | + | + | + | + | + |
| 20. | - | + | + | + | + | + | + | + | + | + | + |
| 25. | - | + | + | + | + | + | + | + | + | + | + |
| 30. | - | + | + | + | + | + | + | + | + | + | + |
| 35. | - | + | + | + | + | + | + | + | + | + | + |
| 40. | - | + | + | + | + | + | + | + | + | + | + |
| 45. | - | + | + | + | + | + | + | + | + | + | + |
| 50. | - | + | + | + | + | + | + | + | + | + | + |
| 55. | - | + | + | + | + | + | + | + | + | + | + |

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

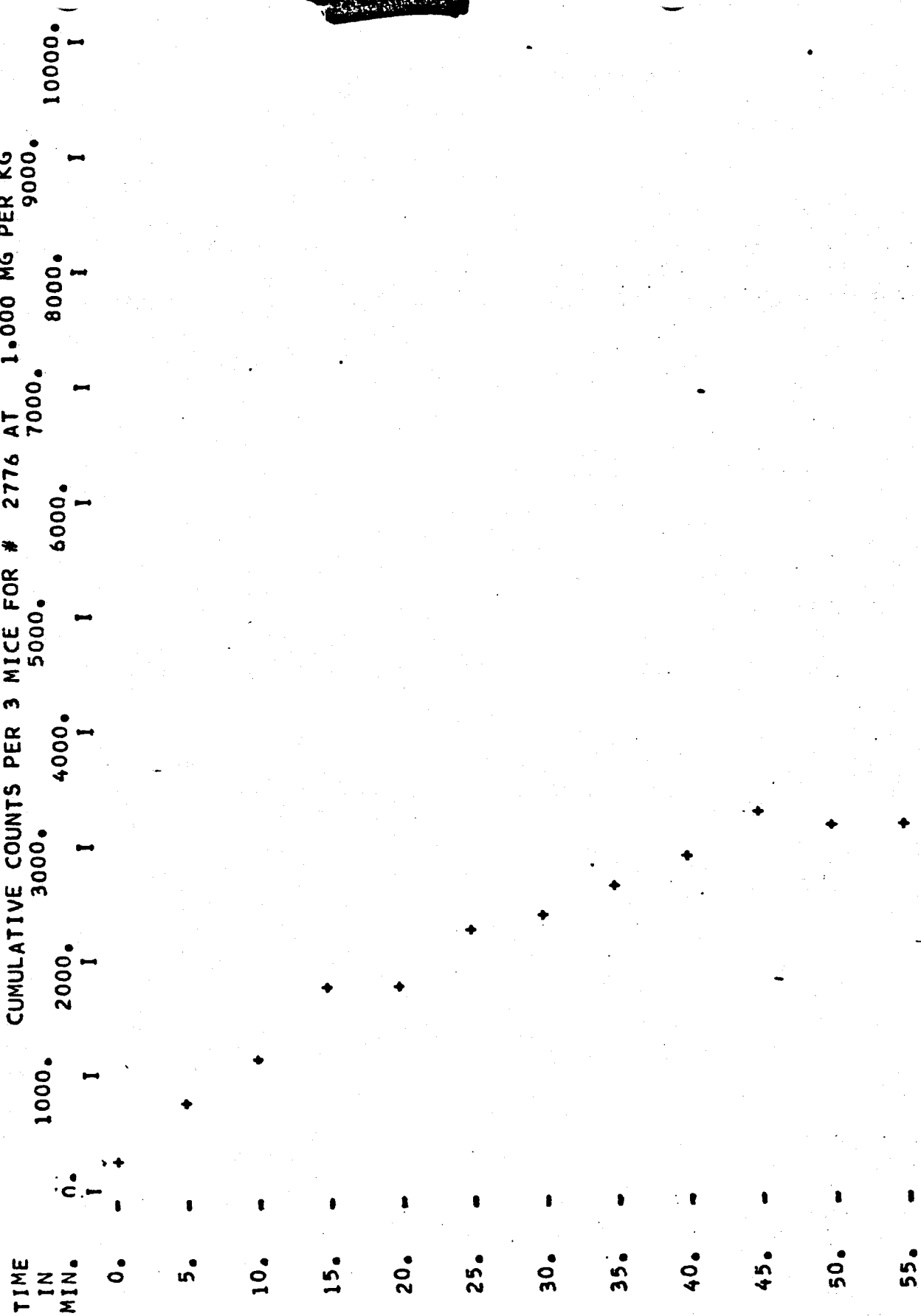
CUMULATIVE COUNTS PER 3 MICE FOR # 2776 AT 0.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.





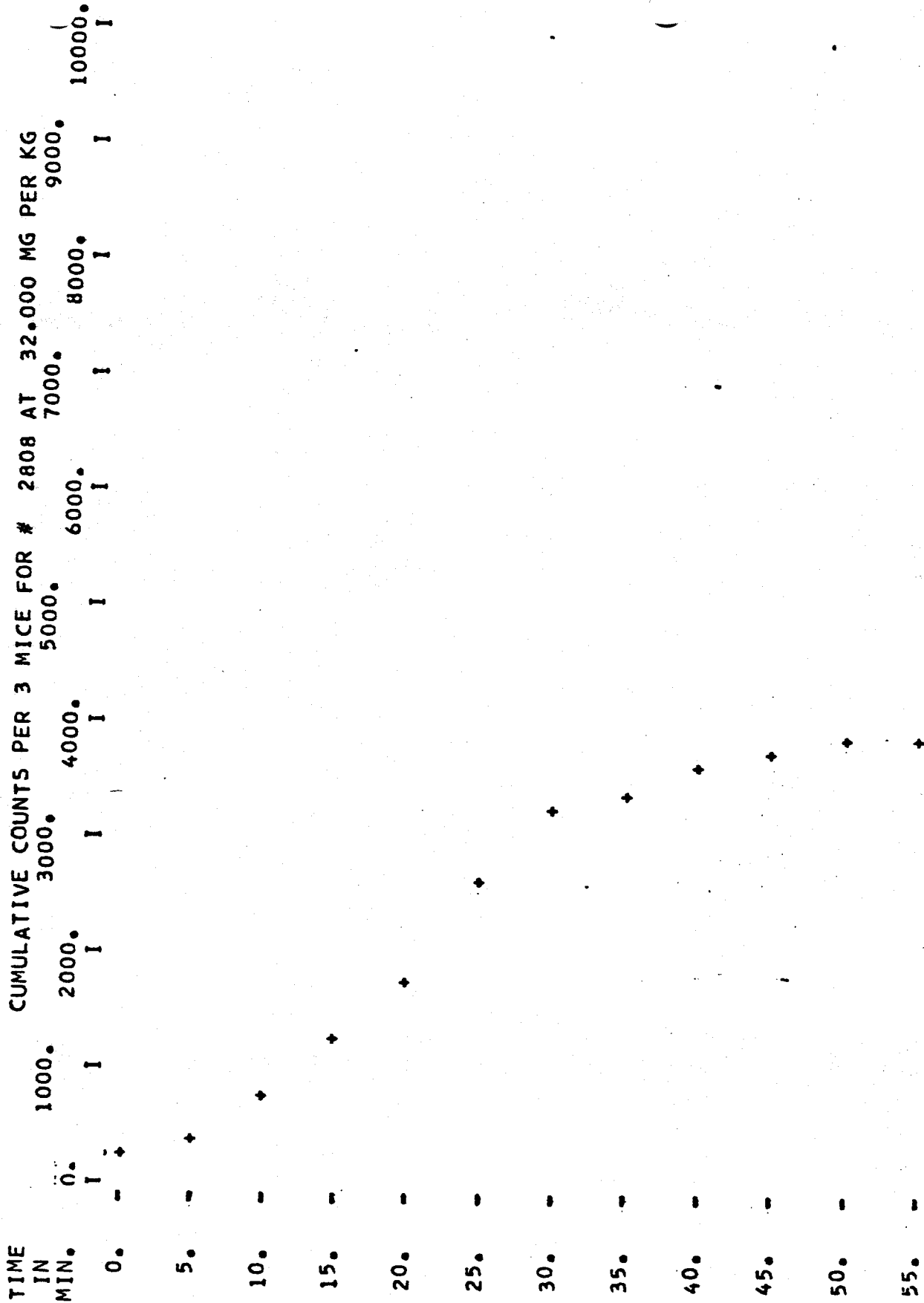
CUMULATIVE COUNTS PER 3 MICE FOR # 2776 AT 1.000 MG PER KG



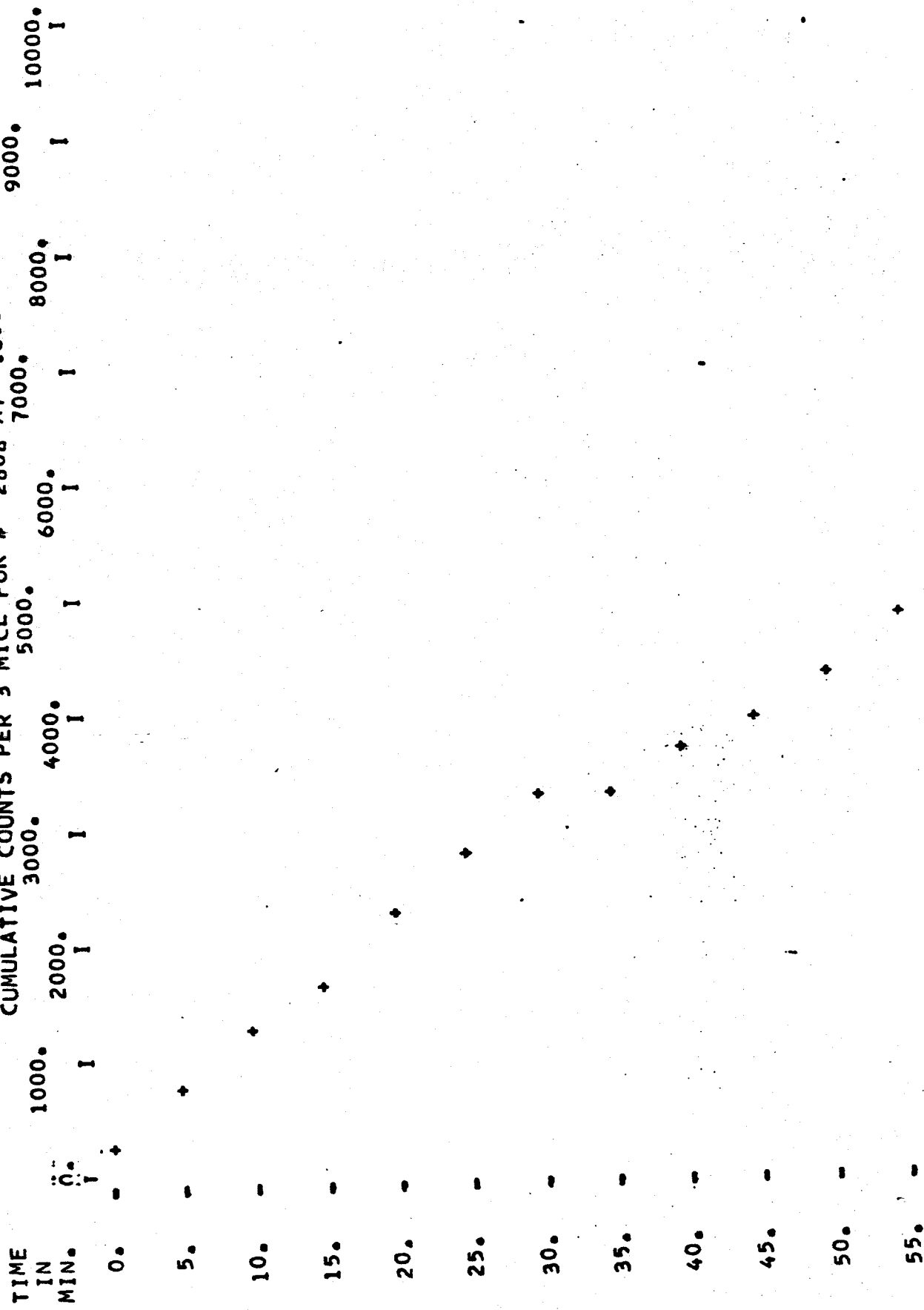
TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2808 AT 0.000 MG PER KG
 0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



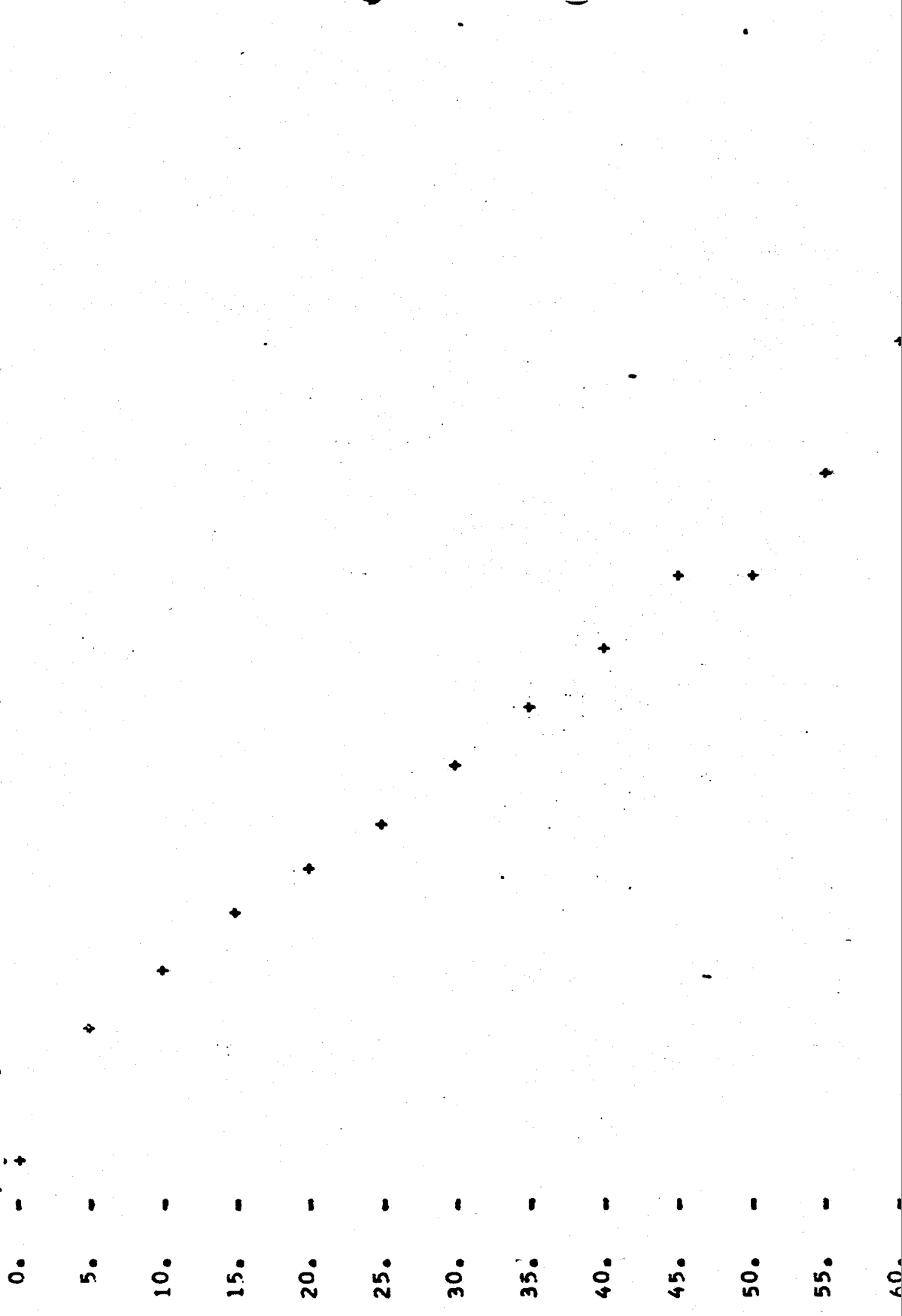
CUMULATIVE COUNTS PER 3 MICE FOR # 2808 AT 32.000 MG PER KG



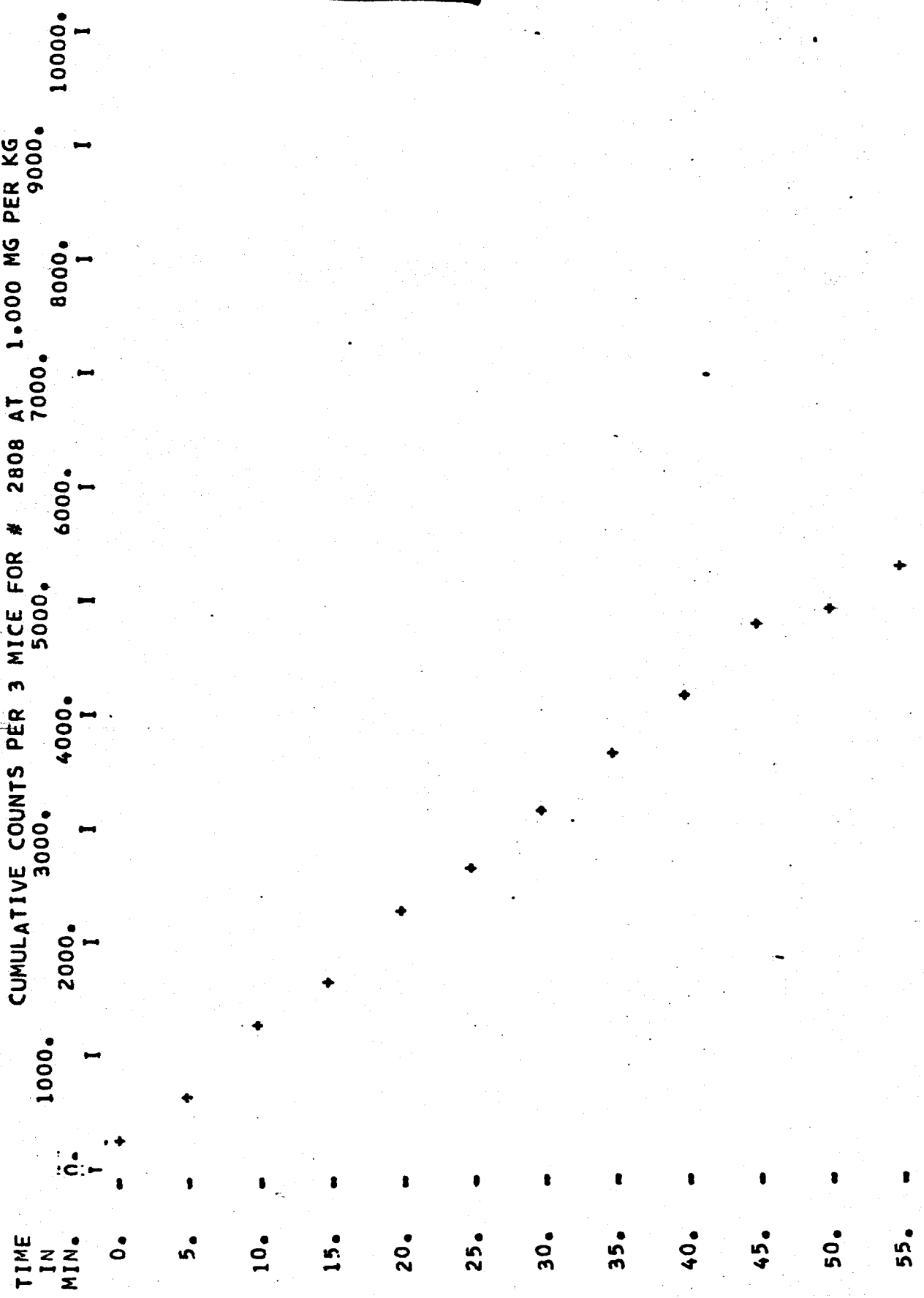
CUMULATIVE COUNTS PER 3 MICE FOR # 2808 AT 10.000 MG PER KG



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2808 AT 3.200 MG PER KG



CUMULATIVE COUNTS PER 3 MICE FOR # 2808 AT 1.000 MG PER KG



[illegible]

TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2844 AT 10.000 MG PER KG



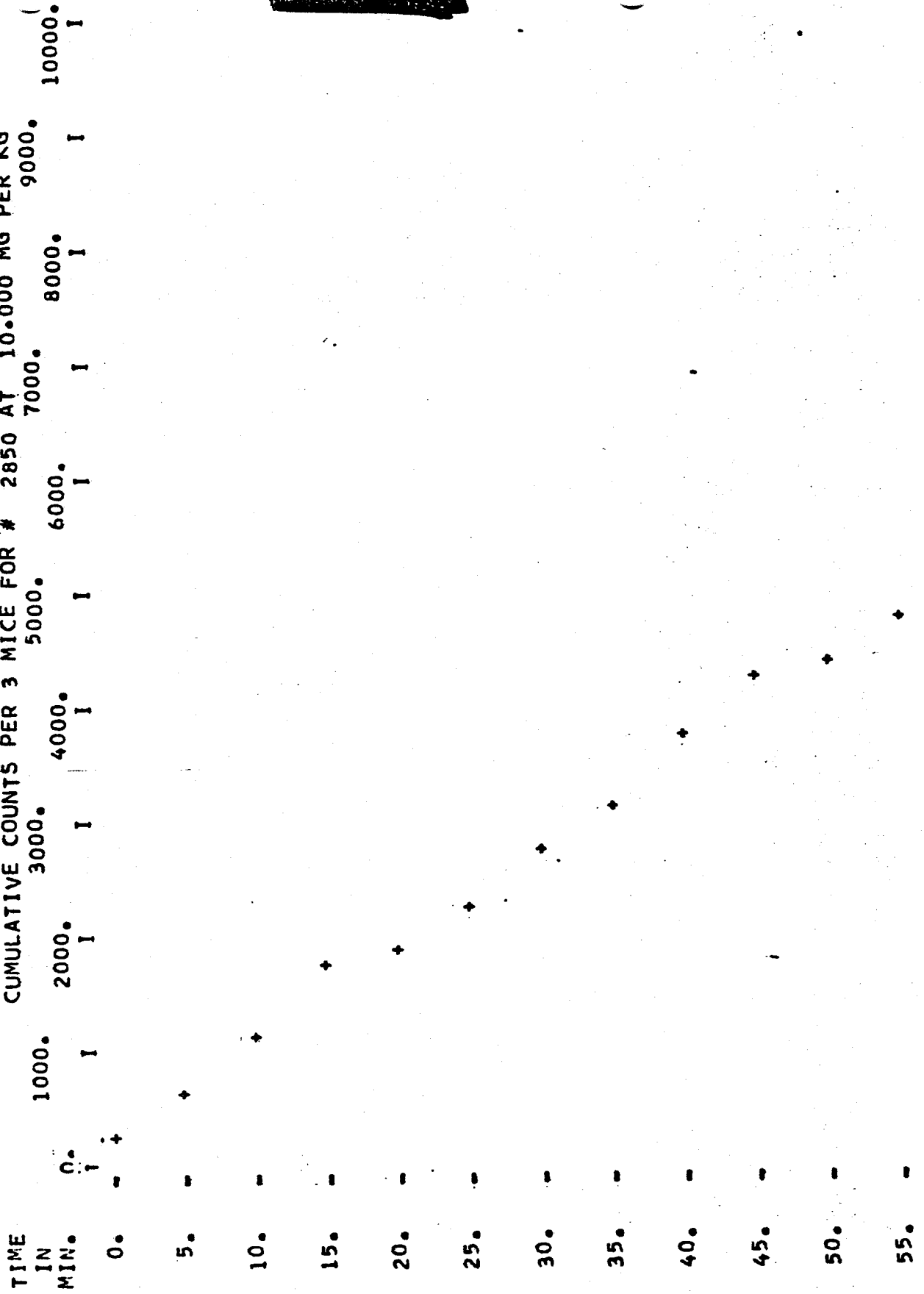


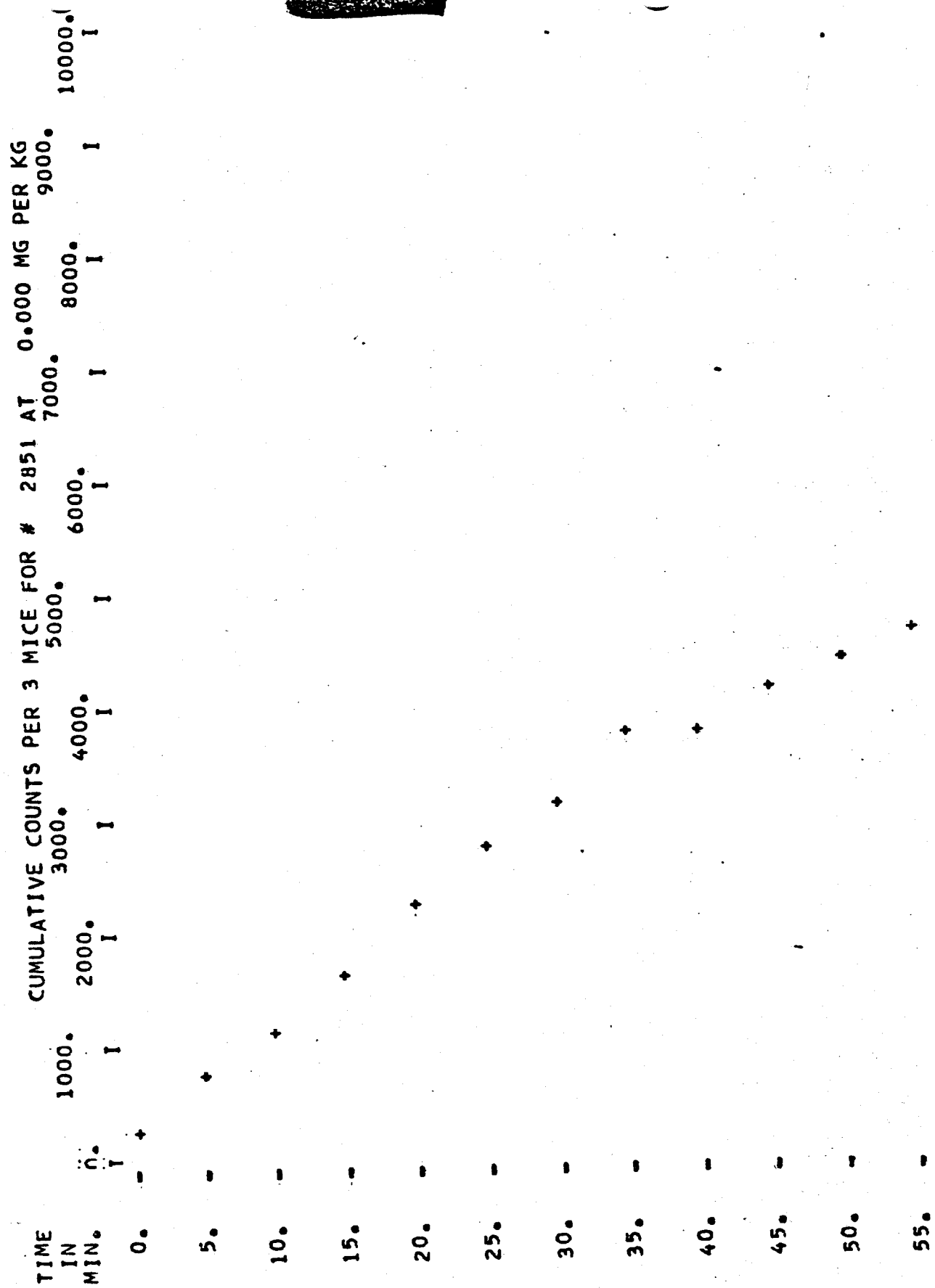
TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

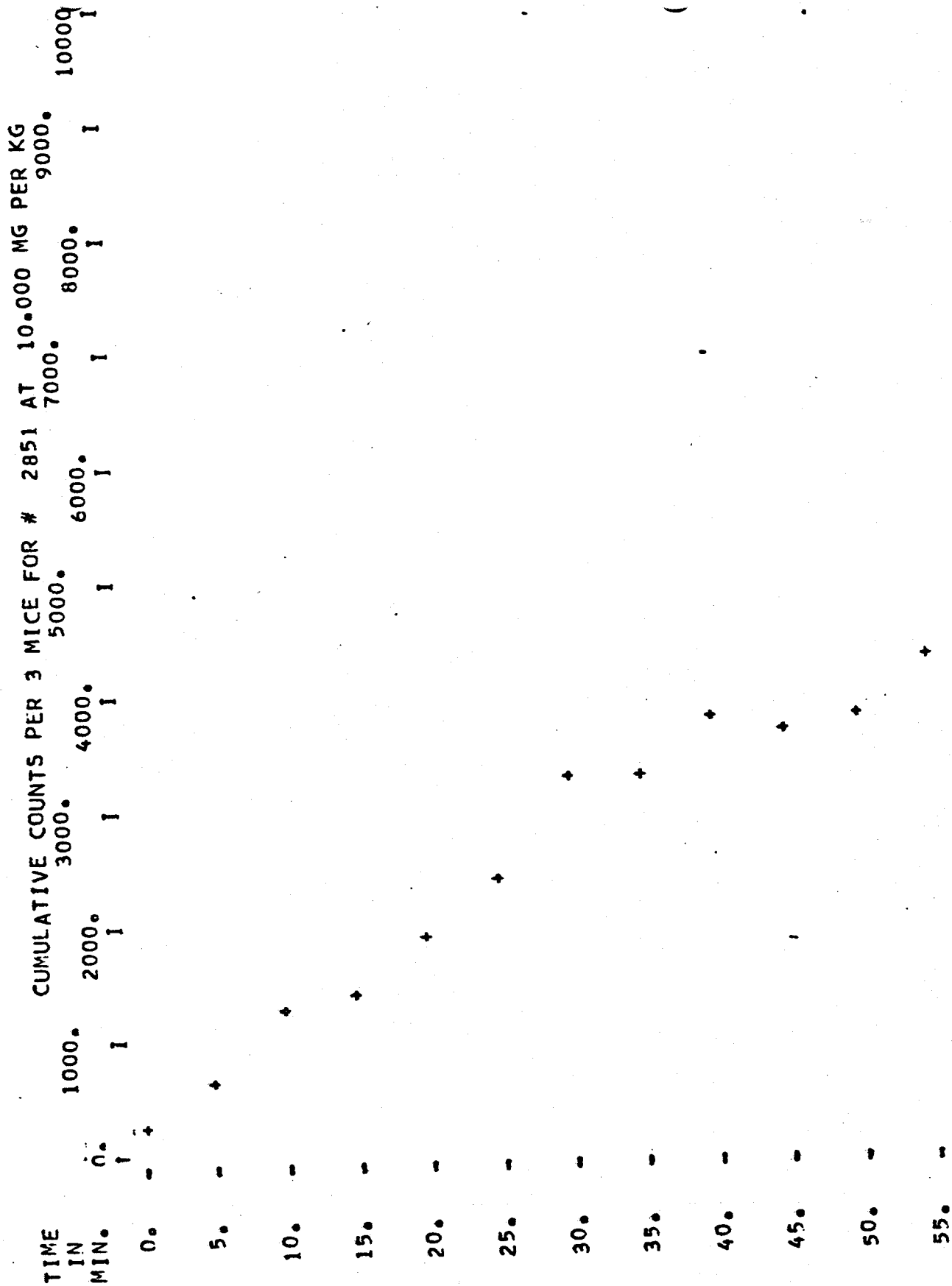
CUMULATIVE COUNTS PER 3 MICE FOR # 2850 AT 50.000 MG PER KG

3000. 2000. 1000. 0. 5000. 4000. 3000. 2000. 1000. 0. 6000. 5000. 4000. 3000. 2000. 1000. 0. 7000. 6000. 5000. 4000. 3000. 2000. 1000. 0. 8000. 7000. 6000. 5000. 4000. 3000. 2000. 1000. 0. 9000. 8000. 7000. 6000. 5000. 4000. 3000. 2000. 1000. 0. 1000d

CUMULATIVE COUNTS PER 3 MICE FOR # 2850 AT 10.000 MG PER KG







TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2851 AT 100.000 MG PER KG

1000.

0. - +

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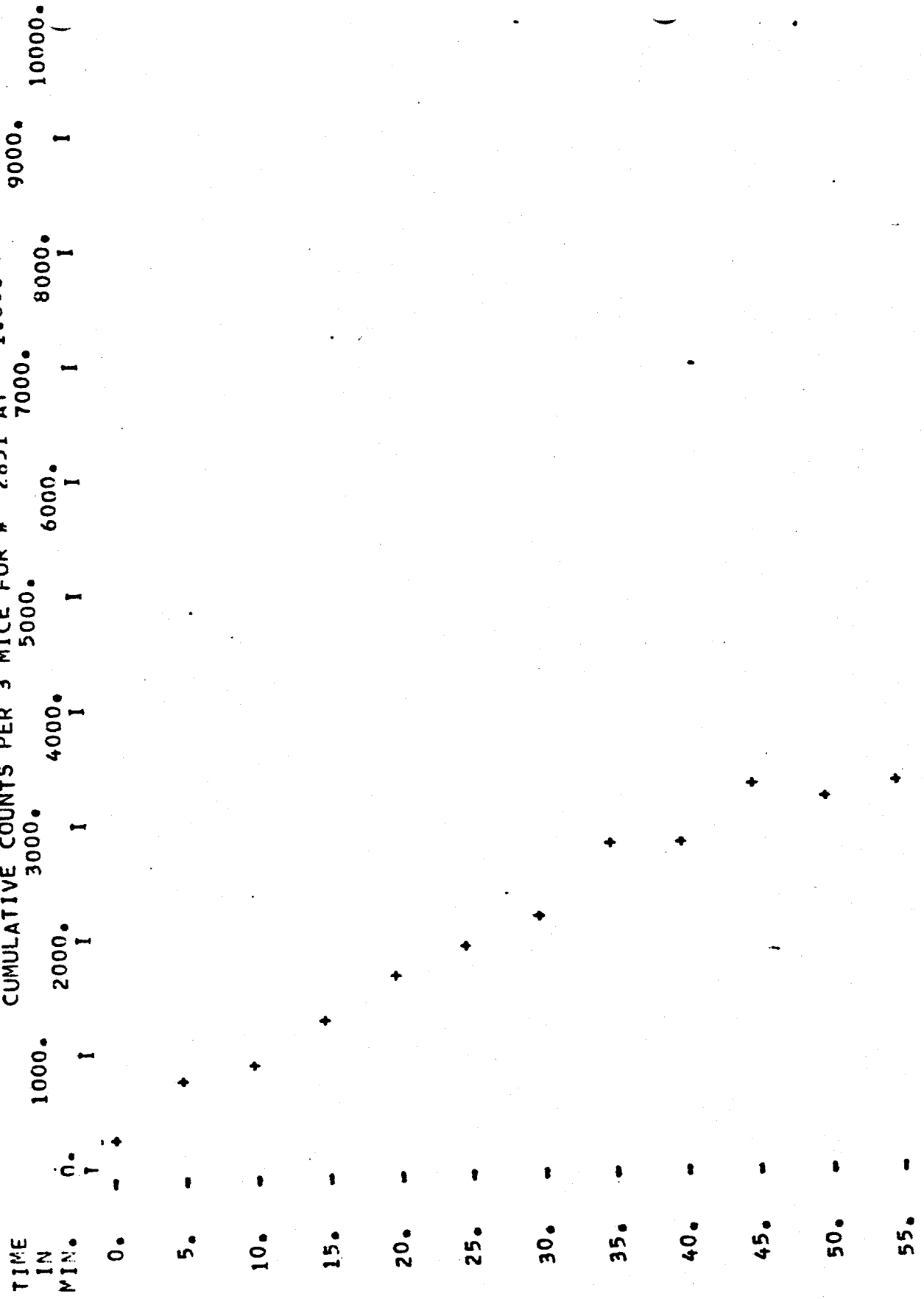
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CUMULATIVE COUNTS PER 3 MICE FOR # 2851 AT 1.000 MG PER KG



TIME
IN
MIN.

CUMULATIVE COUNTS PER 3 MICE FOR # 2881 AT 100.000 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. (-30

0. - +
5. - +
10. - +
15. - +
20. - +
25. - +
30. - +
35. - +
40. - +
45. - +
50. - +
55. - +

CUMULATIVE COUNTS PER 3 MICE FOR # 2881 AT 10.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.



CUMULATIVE COUNTS PER 3 MICE FOR # 2897 AT 0.000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | + | | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | + | | | | | | | | |
| 30. | - | | | + | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | | + | | | | | | |
| 45. | - | | | | | + | | | | | |
| 50. | - | | | | | | + | | | | |
| 55. | - | | | | | | | + | | | |

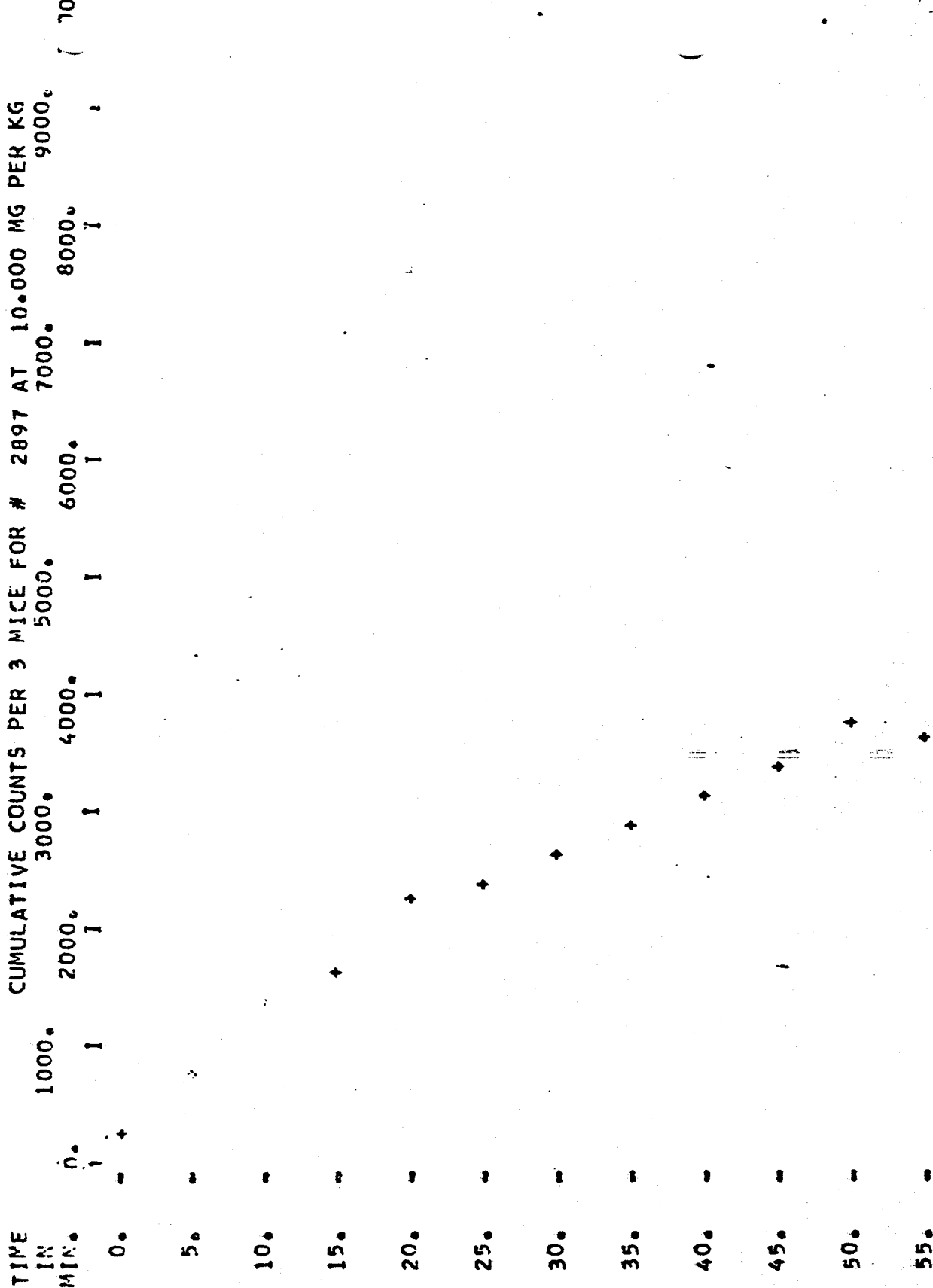
TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 2897 AT 100.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

1 1 1 1 1 1 1 1 1 1 1 1

CUMULATIVE COUNTS PER 3 MICE FOR # 2897 AT 10.000 MG PER KG



TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 2981 AT 0.000 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

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CUMULATIVE COUNTS PER 3 MICE FOR # 2981 AT 100.000 MG PER KG

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

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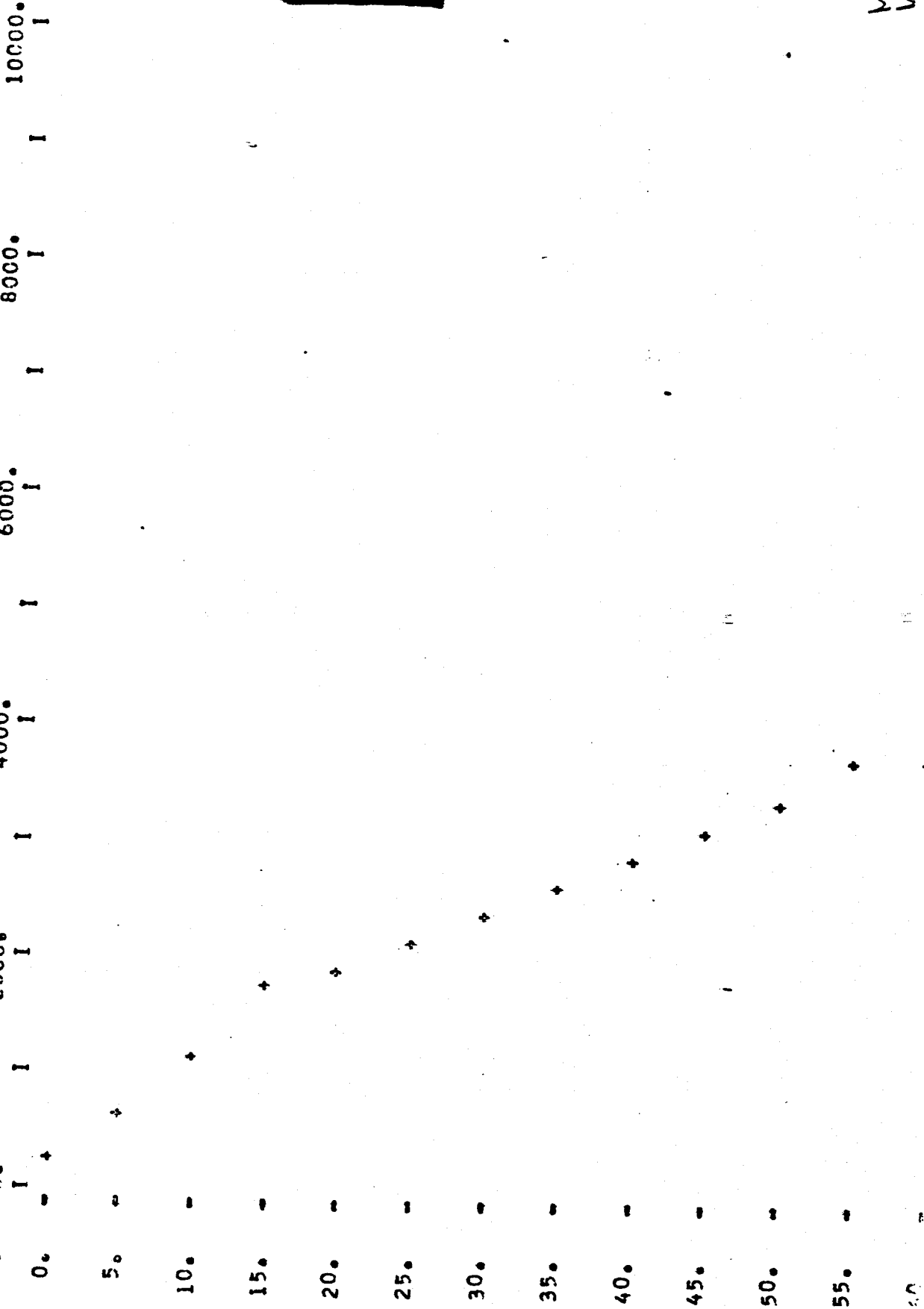
CUMULATIVE COUNTS PER 3 MICE FOR # 2981 AT 10.000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
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| 10. | - | | | | | | | | | | |
| 15. | - | | | | | | | | | | |
| 20. | - | | | | | | | | | | |
| 25. | - | | | | | | | | | | |
| 30. | - | | | | | | | | | | |
| 35. | - | | | | | | | | | | |
| 40. | - | | | | | | | | | | |
| 45. | - | | | | | | | | | | |
| 50. | - | | | | | | | | | | |
| 55. | - | | | | | | | | | | |
| 60. | - | | | | | | | | | | |

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 2981 AT 1.000 MG PER KG

3000. 2000. 1000. 0. 5000. 6000. 7000. 8000. 9000. 10000.



TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT 0.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT 100,000 MG PER KG

0. 10000.

3000.

7000.

8000.

6000.

5000.

4000.

3000.

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TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT 10.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT 1.000 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 2994 AT .010 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

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30. - - - - -

35. - - - - -

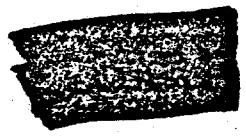
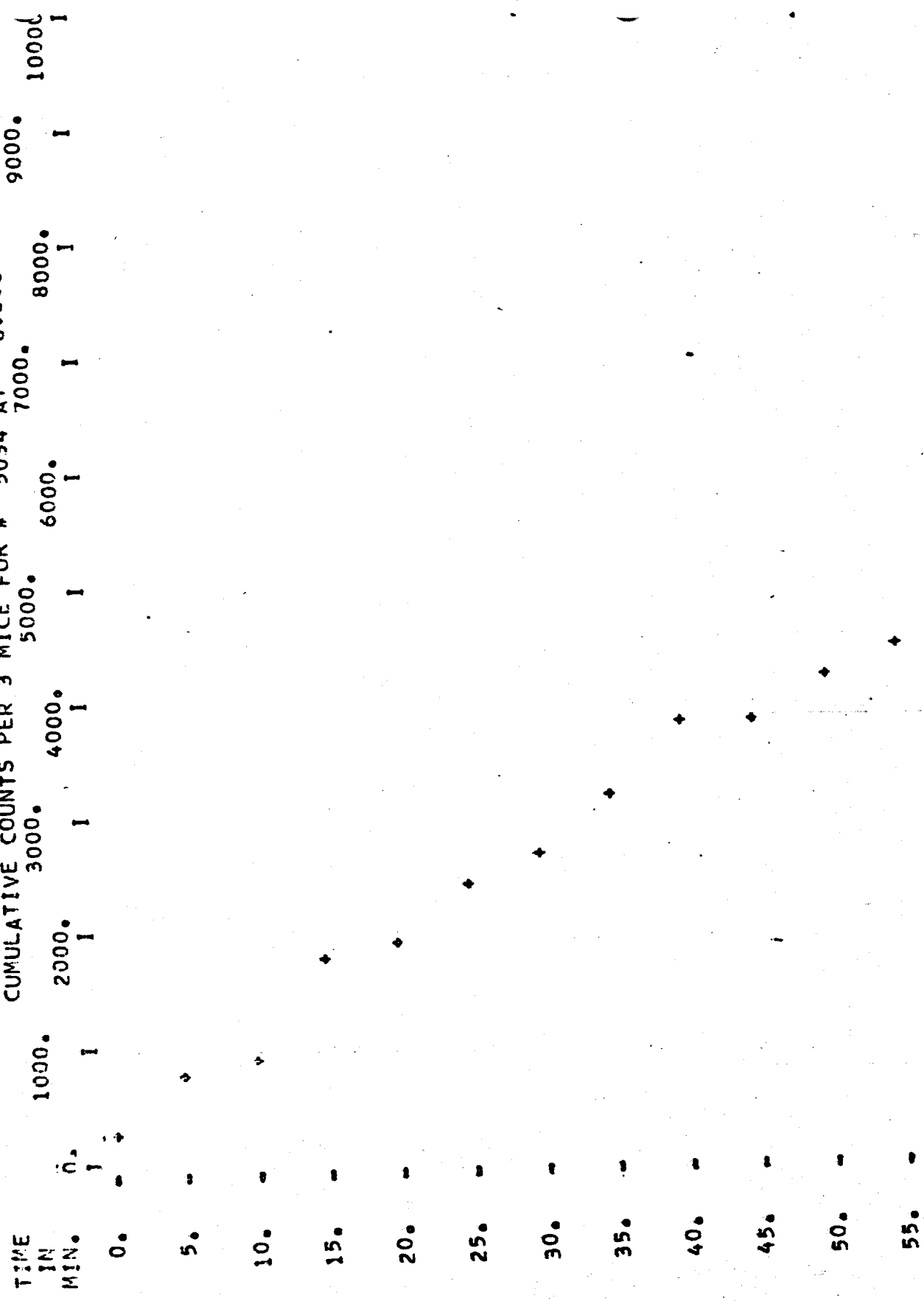
40. - - - - -

45. - - - - -

50. - - - - -

55. - - - - -

CUMULATIVE COUNTS PER 3 MICE FOR # 5034 AT 0.000 MG PER KG



CUMULATIVE COUNTS PER 3 MICE FOR # 5034 AT 10.000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | + | + | + | + | + | + | + | + | + |
| 5. | - | + | + | + | + | + | + | + | + | + | + |
| 10. | - | + | + | + | + | + | + | + | + | + | + |
| 15. | - | + | + | + | + | + | + | + | + | + | + |
| 20. | - | + | + | + | + | + | + | + | + | + | + |
| 25. | - | + | + | + | + | + | + | + | + | + | + |
| 30. | - | + | + | + | + | + | + | + | + | + | + |
| 35. | - | + | + | + | + | + | + | + | + | + | + |
| 40. | - | + | + | + | + | + | + | + | + | + | + |
| 45. | - | + | + | + | + | + | + | + | + | + | + |
| 50. | - | + | + | + | + | + | + | + | + | + | + |
| 55. | - | + | + | + | + | + | + | + | + | + | + |

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

| CMPND | LEVEL | 5MIN | 10MIN | 15MIN | 20MIN | 25MIN | 30MIN | 35MIN | 40MIN | 45MIN | 50MIN | 55MIN | 60MIN |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 940513 | 32,000 | 427. | 244. | 148. | 28. | 9. | 80. | 0. | 58. | 11. | 0. | 27. | 0. |
| | | 218. | 283. | 186. | 197. | 32. | 50. | 133. | 248. | 113. | 3. | 139. | 183. |
| MEAN | | 323. | 264. | 167. | 113. | 21. | 65. | 67. | 153. | 62. | 2. | 83. | 92. |
| 940513 | 10,000 | 511. | 210. | 248. | 208. | 167. | 119. | 101. | 131. | 141. | 87. | 121. | 196. |
| | | 778. | 642. | 477. | 281. | 367. | 340. | 276. | 62. | 130. | 94. | 2. | 50. |
| MEAN | | 645. | 476. | 363. | 245. | 267. | 230. | 189. | 97. | 136. | 91. | 62. | 123. |
| 940513 | 1,000 | 770. | 448. | 369. | 413. | 377. | 188. | 229. | 228. | 24. | 9. | 7. | 74. |
| | | 691. | 537. | 471. | 395. | 347. | 319. | 337. | 344. | 354. | 296. | 195. | 182. |
| MEAN | | 731. | 493. | 420. | 404. | 362. | 254. | 283. | 286. | 189. | 153. | 102. | 128. |
| 940535 | 0,000 | 1545. | 541. | 495. | 308. | 375. | 249. | 316. | 291. | 274. | 182. | 103. | 57. |
| | | 939. | 601. | 471. | 470. | 361. | 292. | 338. | 313. | 150. | 180. | 92. | 125. |
| MEAN | | 1242. | 571. | 483. | 389. | 368. | 271. | 327. | 302. | 212. | 181. | 98. | 91. |
| 940535 | 10,000 | 599. | 248. | 192. | 186. | 161. | 139. | 51. | 79. | 14. | 13. | 0. | 1. |
| | | 1420. | 427. | 428. | 295. | 353. | 353. | 191. | 97. | 174. | 144. | 78. | 186. |
| MEAN | | 1010. | 338. | 310. | 241. | 257. | 246. | 121. | 88. | 94. | 79. | 39. | 94. |
| 940535 | 1,000 | 972. | 643. | 554. | 578. | 564. | 415. | 399. | 257. | 228. | 249. | 102. | 132. |
| | | 952. | 1374. | 1446. | 1551. | 1622. | 1647. | 1586. | 1479. | 1232. | 1271. | 1232. | 1299. |
| MEAN | | 962. | 1009. | 1000. | 1065. | 1093. | 1031. | 993. | 868. | 730. | 760. | 667. | 716. |
| 940535 | 0,100 | 719. | 569. | 545. | 473. | 500. | 256. | 299. | 187. | 186. | 128. | 13. | 4. |
| | | 1660. | 1558. | 1498. | 1466. | 1396. | 1263. | 1121. | 1259. | 1054. | 1052. | 1130. | 1077. |
| MEAN | | 1190. | 1064. | 1022. | 970. | 948. | 760. | 710. | 723. | 620. | 590. | 572. | 541. |

LOCOMOTOR ACTIVITY OF MICE

GROUPS OF THREE MICE

COUNTS AT INDICATED INTERVAL

| CMPND | LEVEL | 5MIN | 10MIN | 15MIN | 20MIN | 25MIN | 30MIN | 35MIN | 40MIN | 45MIN | 50MIN | 55MIN | 60MIN |
|--------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 940539 | 0.000 | 629. | 670. | 399. | 359. | 379. | 185. | 0. | 289. | 253. | 61. | 12. | 3. |
| MEAN | | 688. | 450. | 333. | 232. | 267. | 208. | 213. | 182. | 38. | 38. | 7. | 0. |
| | | 659. | 560. | 366. | 296. | 323. | 197. | 107. | 236. | 151. | 50. | 10. | 2. |
| 940539 | 10.000 | 151. | 125. | 6. | 8. | 10. | 6. | 101. | 51. | 42. | 1. | 1. | 0. |
| MEAN | | 813. | 557. | 500. | 435. | 376. | 305. | 192. | 161. | 36. | 9. | 11. | 8. |
| | | 482. | 341. | 253. | 222. | 193. | 156. | 147. | 106. | 39. | 5. | 6. | 4. |
| 940539 | 1.000 | 813. | 640. | 342. | 279. | 233. | 290. | 320. | 142. | 174. | 32. | 2. | 71. |
| MEAN | | 736. | 671. | 494. | 427. | 265. | 387. | 149. | 160. | 28. | 2. | 0. | 50. |
| | | 790. | 631. | 418. | 353. | 249. | 339. | 235. | 151. | 101. | 17. | 1. | 61. |

GROUP 1 OF THREE (1948)

COUNTS AT INDICATED INTERVAL

| CMPND | LEVEL | 5MIN | 10MIN | 15MIN | 20MIN | 25MIN | 30MIN | 35MIN | 40MIN | 45MIN | 50MIN | 55MIN | 60MIN |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 940547 | 0.000 | 669. | 456. | 463. | 652. | 388. | 434. | 319. | 307. | 325. | 226. | 287. | 188. |
| MEAN | | 758. | 489. | 348. | 274. | 229. | 189. | 88. | 94. | 315. | 52. | 17. | 8. |
| | | 714. | 473. | 406. | 463. | 309. | 312. | 204. | 201. | 320. | 139. | 152. | 98. |
| 940547 | 100.000 | 199. | 66. | 32. | 43. | 10. | 8. | 53. | 6. | 21. | 8. | 2. | 13. |
| MEAN | | 341. | 148. | 51. | 89. | 19. | 27. | 78. | 35. | 5. | 21. | 40. | 0. |
| | | 270. | 107. | 42. | 66. | 15. | 18. | 66. | 21. | 13. | 15. | 21. | 7. |
| 940547 | 10.000 | 391. | 199. | 185. | 180. | 114. | 151. | 95. | 68. | 17. | 41. | 46. | 1. |
| MEAN | | 813. | 604. | 385. | 431. | 404. | 168. | 92. | 161. | 187. | 74. | 109. | 37. |
| | | 602. | 402. | 285. | 306. | 259. | 160. | 94. | 115. | 102. | 58. | 78. | 19. |
| 940547 | 1.000 | 1245. | 909. | 544. | 568. | 438. | 400. | 396. | 334. | 315. | 388. | 411. | 260. |
| MEAN | | 739. | 748. | 294. | 224. | 401. | 245. | 277. | 150. | 164. | 124. | 17. | 14. |
| | | 992. | 829. | 419. | 396. | 420. | 323. | 337. | 242. | 250. | 256. | 214. | 137. |
| | 0.000 | 70. | 646. | 454. | 522. | 579. | 407. | 341. | 357. | 459. | 364. | 284. | 445. |
| MEAN | | 832. | 591. | 464. | 571. | 502. | 408. | 454. | 516. | 466. | 340. | 335. | 472. |
| | | 451. | 619. | 459. | 547. | 541. | 408. | 395. | 442. | 463. | 352. | 309. | 459. |
| | 3.200 | 550. | 355. | 216. | 234. | 271. | 381. | 245. | 81. | 319. | 236. | 101. | 149. |
| MEAN | | 874. | 706. | 638. | 378. | 590. | 507. | 485. | 409. | 462. | 241. | 127. | 221. |
| | | 712. | 531. | 427. | 305. | 431. | 444. | 356. | 245. | 391. | 239. | 114. | 185. |
| | 1.000 | 526. | 404. | 454. | 450. | 232. | 380. | 395. | 305. | 253. | 167. | 170. | 244. |
| MEAN | | 419. | 624. | 334. | 308. | 376. | 385. | 378. | 296. | 291. | 228. | 130. | 162. |
| | | 473. | 514. | 394. | 379. | 304. | 383. | 357. | 301. | 272. | 198. | 150. | 203. |

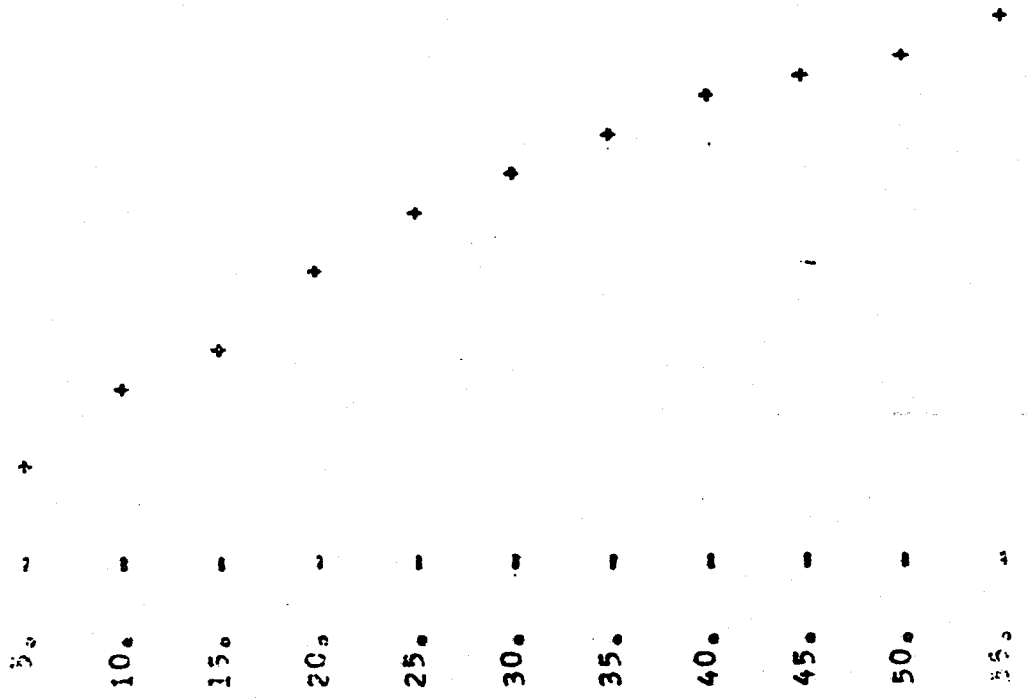
GROUPS OF THREE NICE

COUNTS AT INDICATED INTERVAL

| CMPND | LEVEL | 5MIN | 10MIN | 15MIN | 20MIN | 25MIN | 30MIN | 35MIN | 40MIN | 45MIN | 50MIN | 55MIN | 60MIN |
|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | .032 | 629. | 491. | 282. | 248. | 307. | 248. | 264. | 248. | 150. | 202. | 86. | 20. |
| | | 944. | 577. | 392. | 208. | 302. | 295. | 113. | 147. | 281. | 152. | 62. | 62. |
| MEAN | | 787. | 534. | 337. | 228. | 303. | 272. | 189. | 198. | 216. | 177. | 74. | 41. |

CUMULATIVE COUNTS PER 3 HICE FOR # 2089 AT 0.000 MG PER KG

| | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

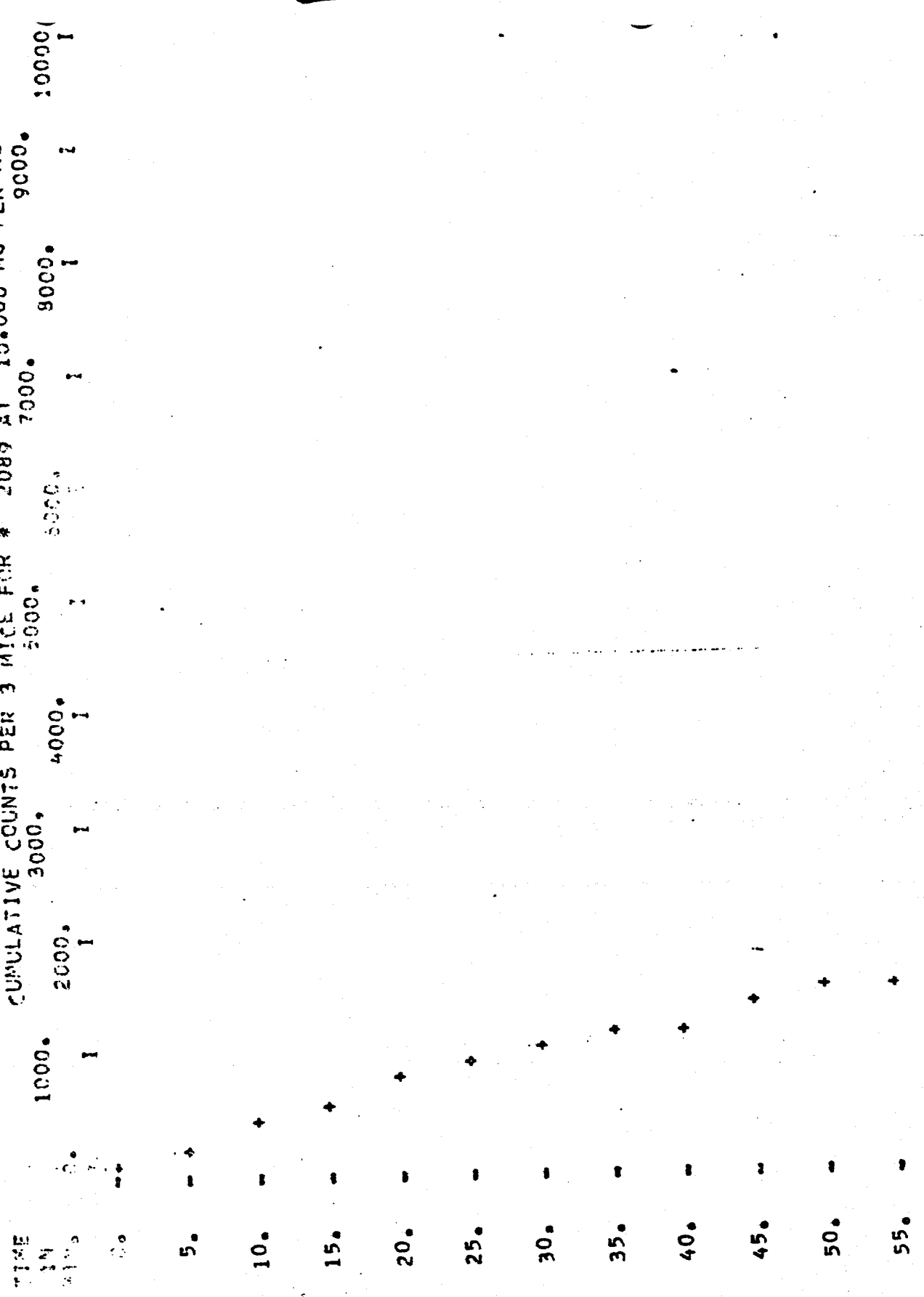


CUMULATIVE COUNTS PER 3 HICE FOR # 2389 AT 0.000 MG PER KG

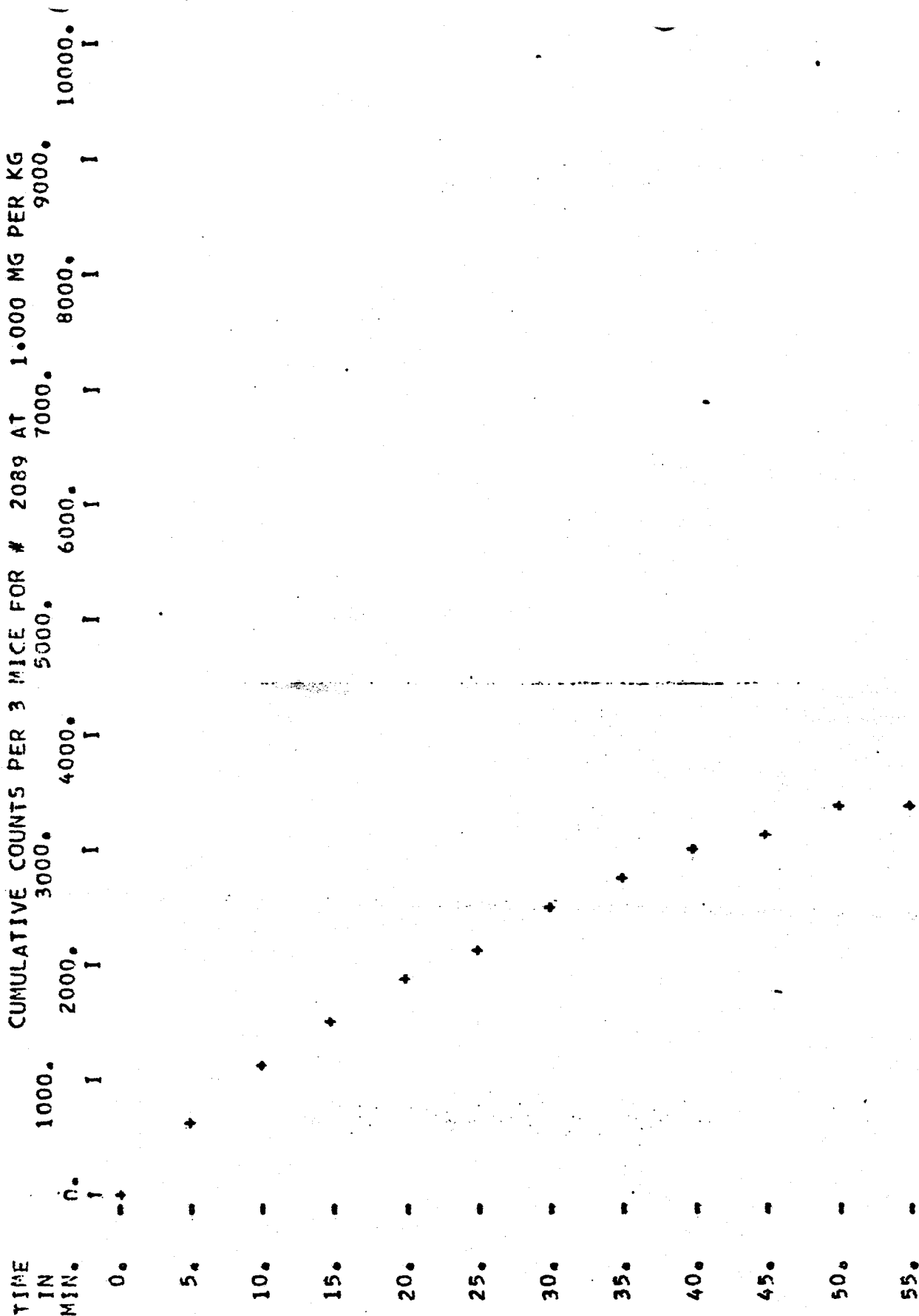
| Time (min) | Counts | Time (min) | Counts | Time (min) | Counts |
|------------|--------|------------|--------|------------|--------|
| 0 | 1700 | 10 | 3000 | 20 | 4000 |
| 5 | 1800 | 15 | 3100 | 25 | 4100 |
| 10 | 1900 | 20 | 3200 | 30 | 4200 |
| 15 | 2000 | 25 | 3300 | 35 | 4300 |
| 20 | 2100 | 30 | 3400 | 40 | 4400 |
| 25 | 2200 | 35 | 3500 | 45 | 4500 |
| 30 | 2300 | 40 | 3600 | 50 | 4600 |
| 35 | 2400 | 45 | 3700 | 55 | 4700 |
| 40 | 2500 | 50 | 3800 | | |
| 45 | 2600 | | | | |
| 50 | 2700 | | | | |
| 55 | 2800 | | | | |



CUMULATIVE COUNTS PER 3 MICE FOR * 2089 AT 10.000 MG PER KG



CUMULATIVE COUNTS PER 3 MICE FOR # 2089 AT 1.000 MG PER KG

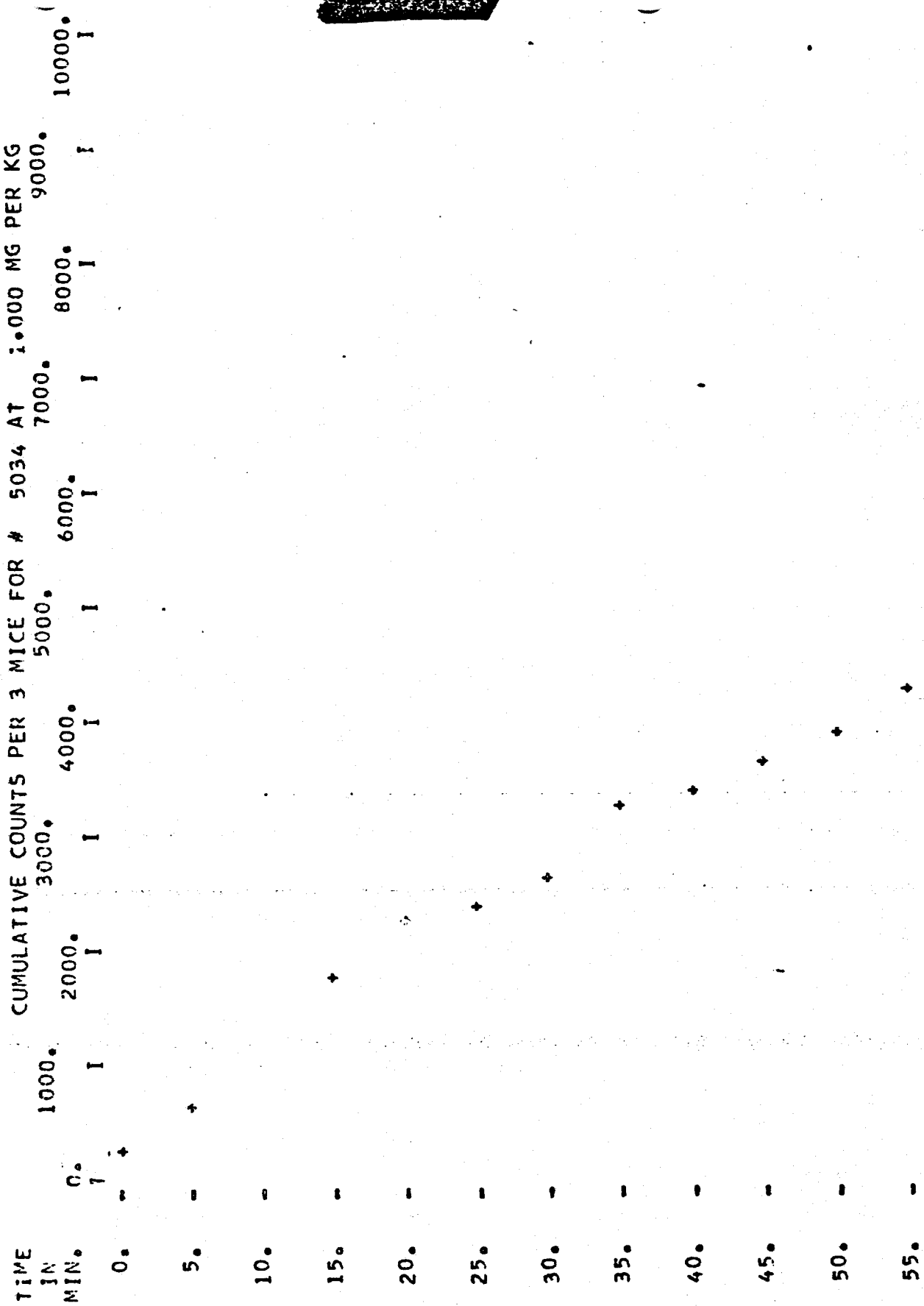


TIME
 MIN.

CUMULATIVE COUNTS PER 3 MICE FOR # 2089 AT .100 MG PER KG

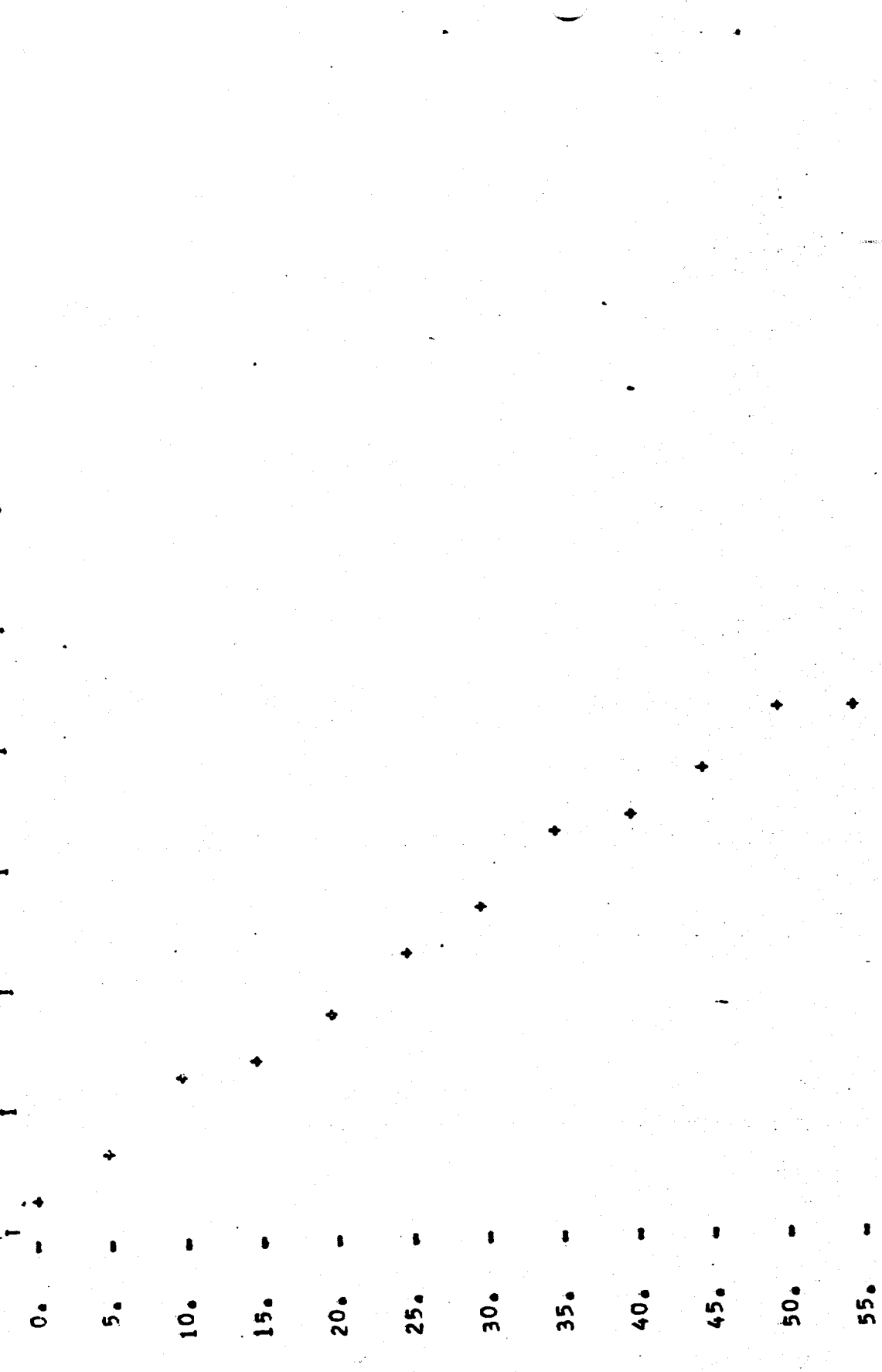
| TIME MIN. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5. | | | | | | | | | | |
| 10. | | | | | | | | | | |
| 15. | | | | | | | | | | |
| 20. | | | | | | | | | | |
| 25. | | | | | | | | | | |
| 30. | | | | | | | | | | |
| 35. | | | | | | | | | | |
| 40. | | | | | | | | | | |
| 45. | | | | | | | | | | |
| 50. | | | | | | | | | | |
| 55. | | | | | | | | | | |

CUMULATIVE COUNTS PER 3 MICE FOR # 5034 AT 1.000 MG PER KG



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 5034 AT .100 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 5036 AT 0.000 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

1 1 1 1 1 1 1 1 1 1

0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

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TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 5049 AT 10.000 MG PER KG

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

0. 1 1 1 1 1 1 1 1 1 1

5. - - - - - - - - - -

10. - - - - - - - - - -

15. - - - - - - - - - -

20. - - - - - - - - - -

25. - - - - - - - - - -

30. - - - - - - - - - -

35. - - - - - - - - - -

40. - - - - - - - - - -

45. - - - - - - - - - -

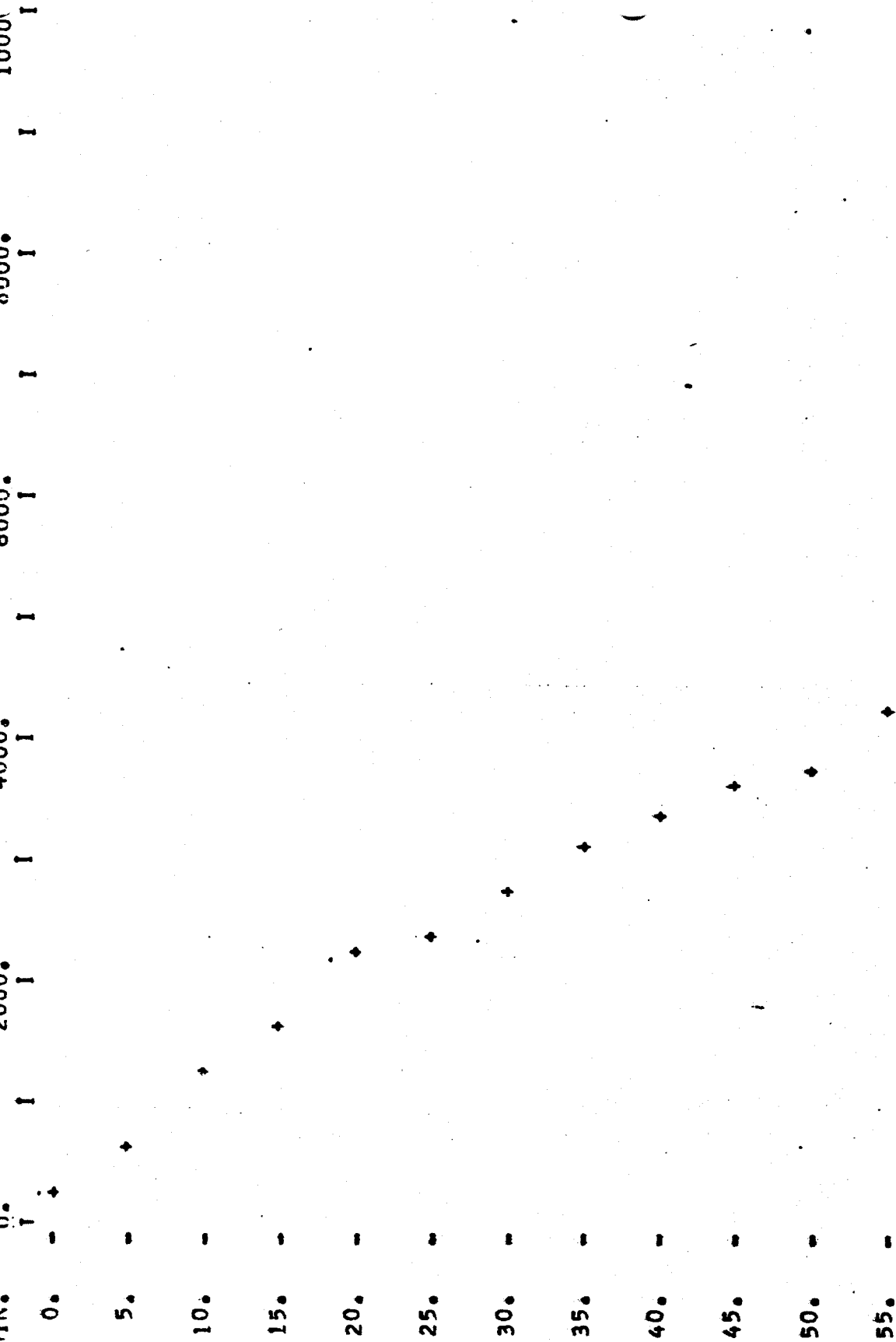
50. - - - - - - - - - -

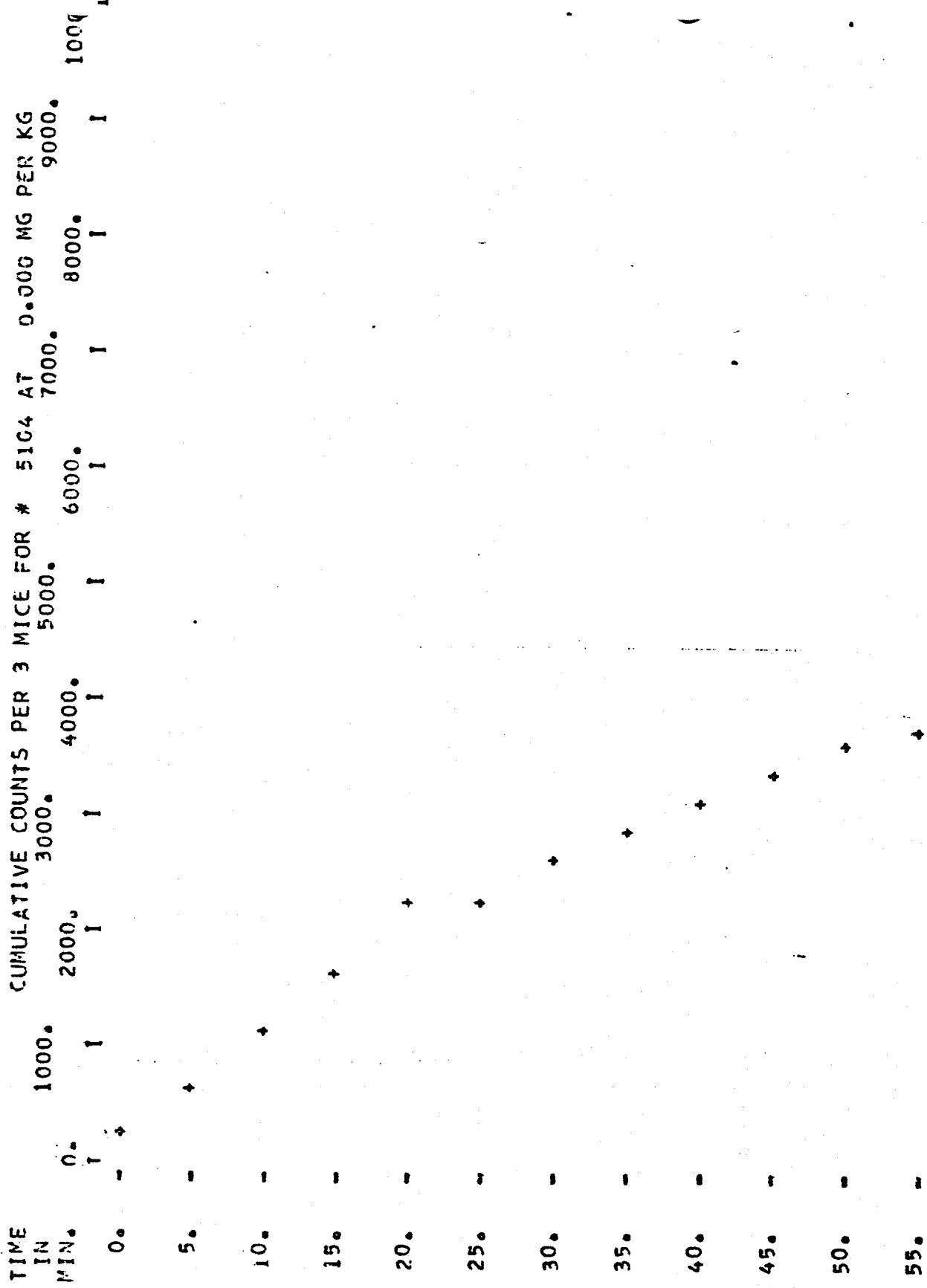
55. - - - - - - - - - -

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR # 5049 AT 1.000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

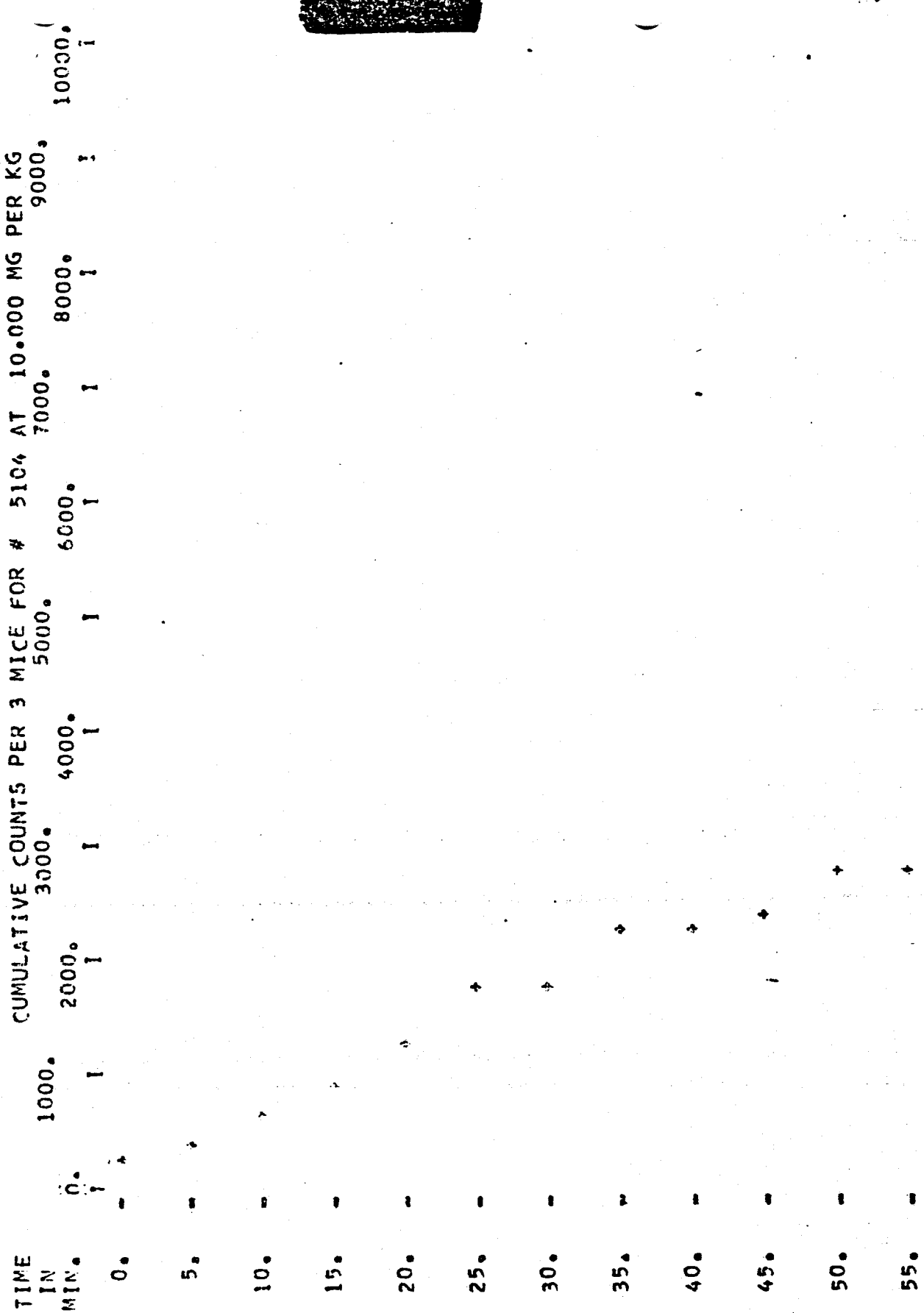




CUMULATIVE COUNTS PER 3 MICE FOR # 5104 AT 100,000 MG PER KG

| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | | | | | | | | | |
| 5. | - | | | | | | | | | | |
| 10. | - | | | | | | | | | | |
| 15. | - | | | | | | | | | | |
| 20. | - | | | | | | | | | | |
| 25. | - | | | | | | | | | | |
| 30. | - | + | | | | | | | | | |
| 35. | - | | | | | | | | | | |
| 40. | - | | | | | | | | | | |
| 45. | - | | | | | | | | | | |
| 50. | - | | | | | | | | | | |
| 55. | - | | | | | | | | | | |

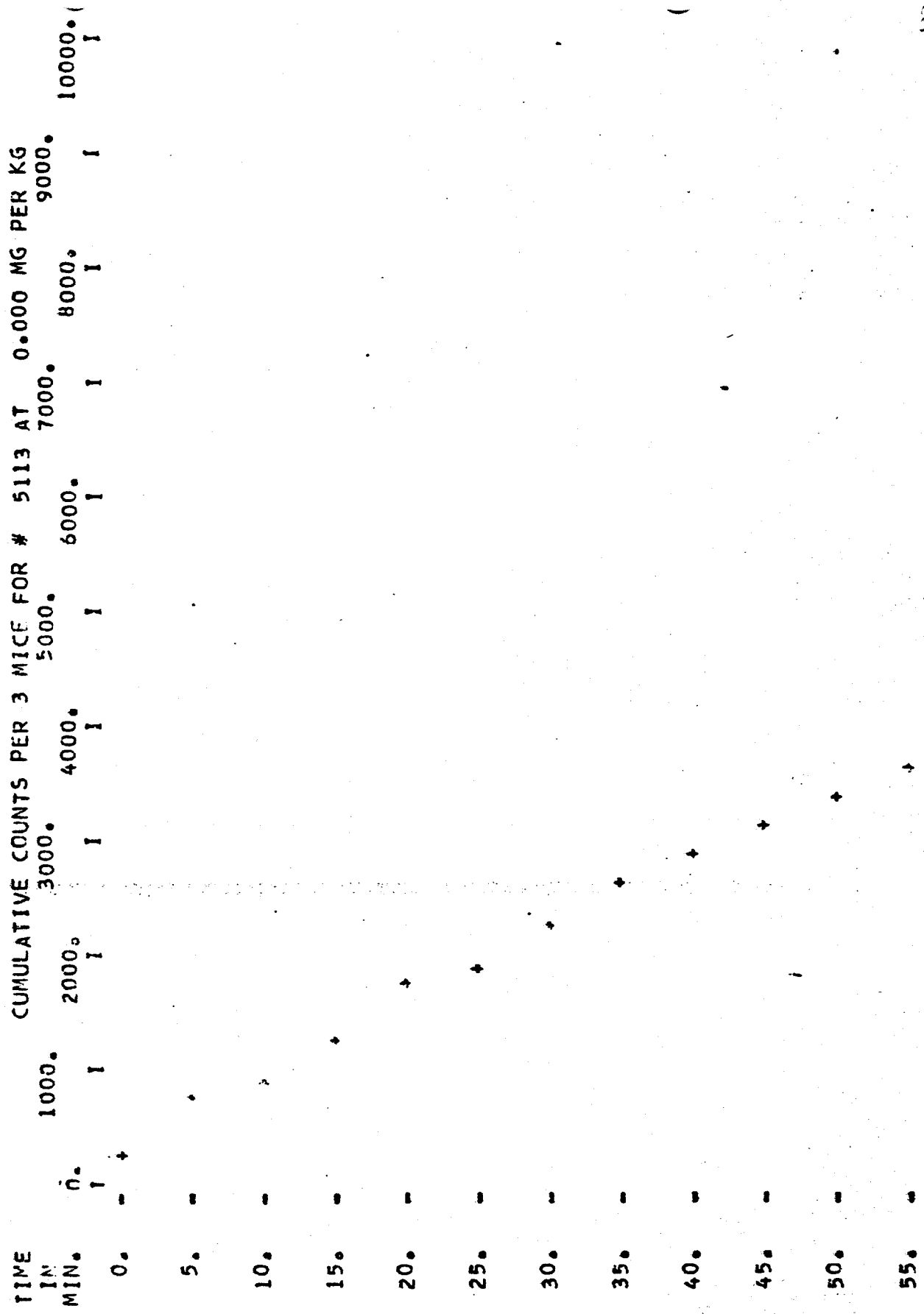
CUMULATIVE COUNTS PER 3 MICE FOR # 5104 AT 10.000 MG PER KG

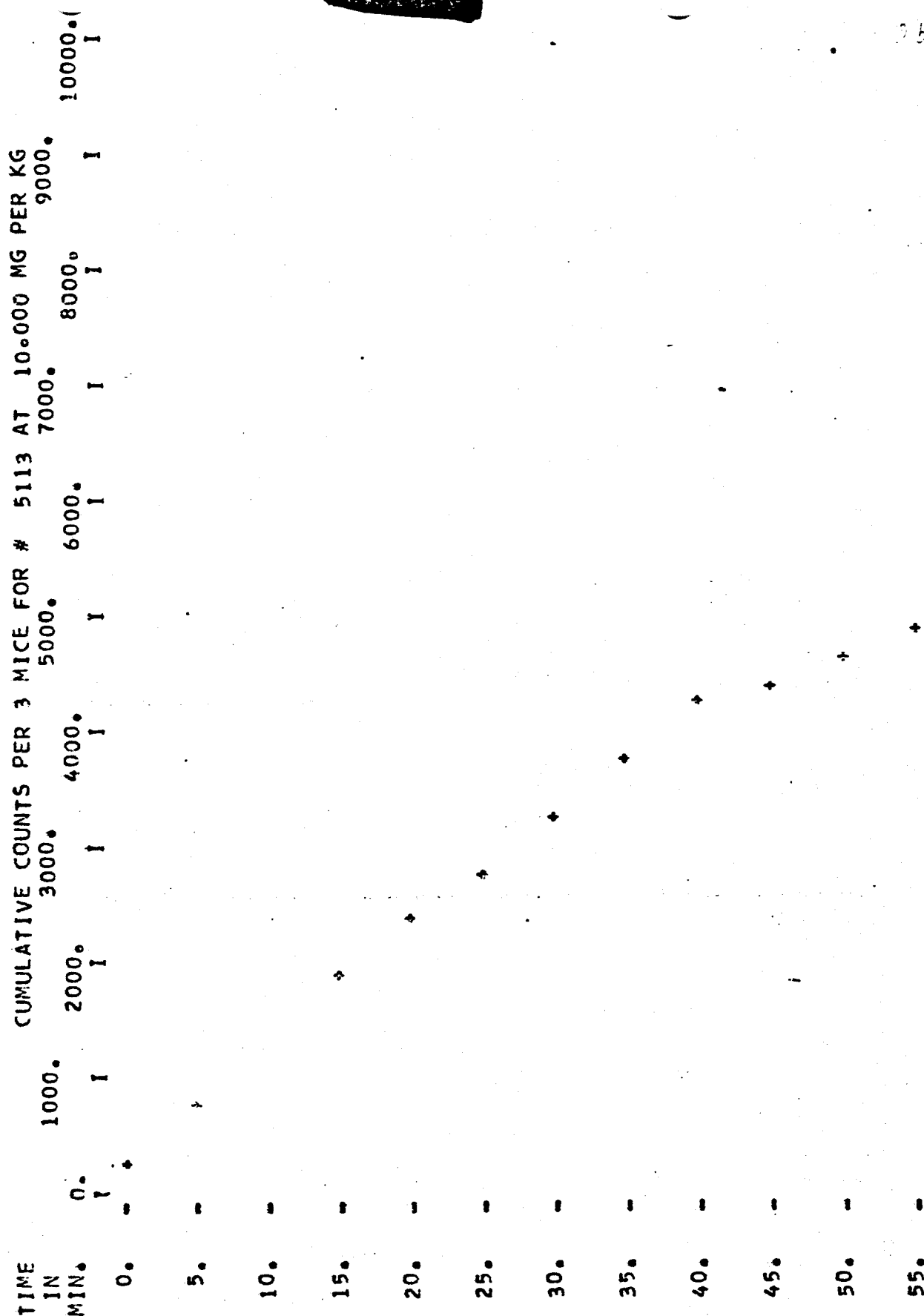


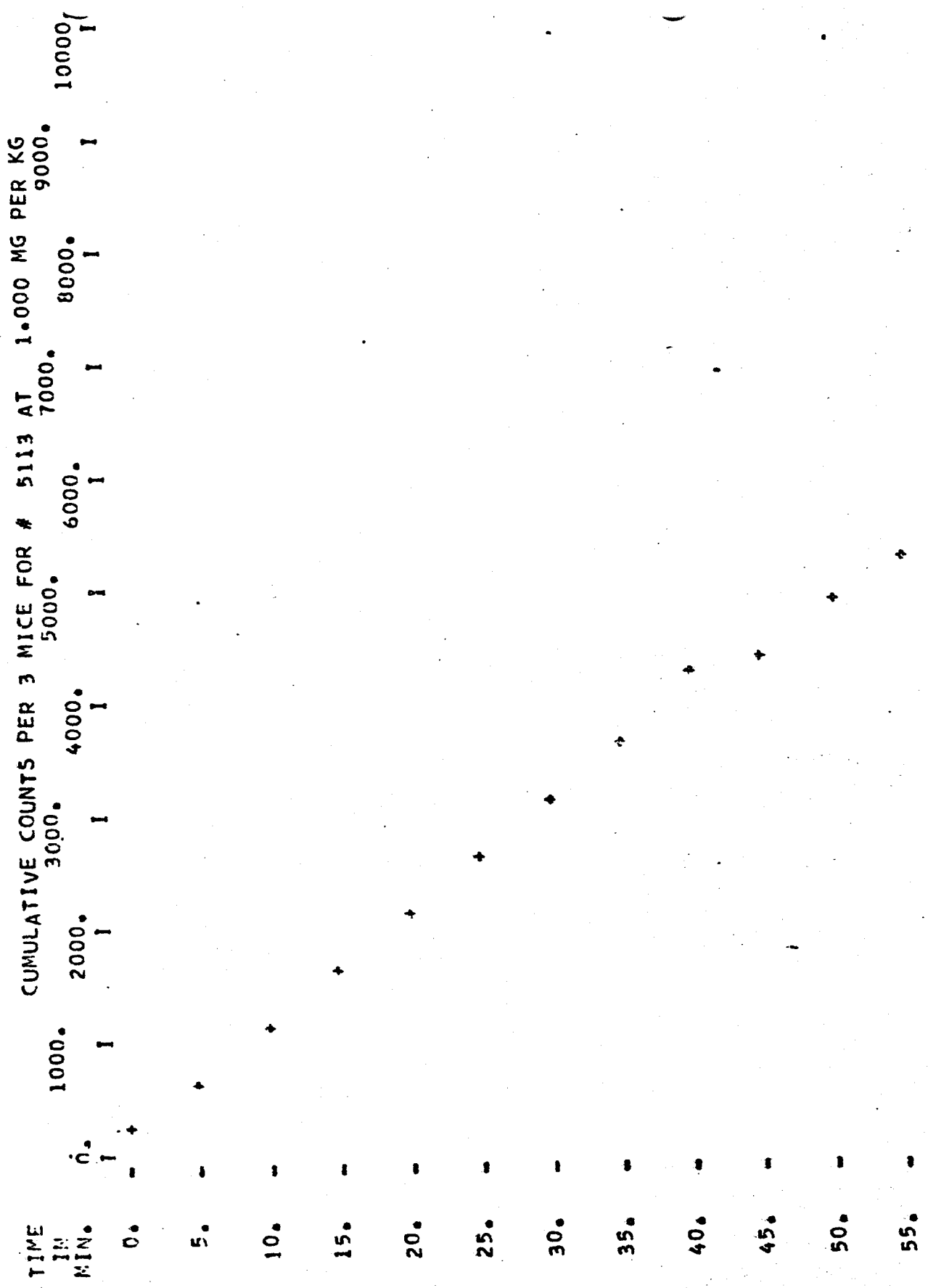
CUMULATIVE COUNTS PER 3 MICE FOR # 5104 AT 63.100 MG PER KG

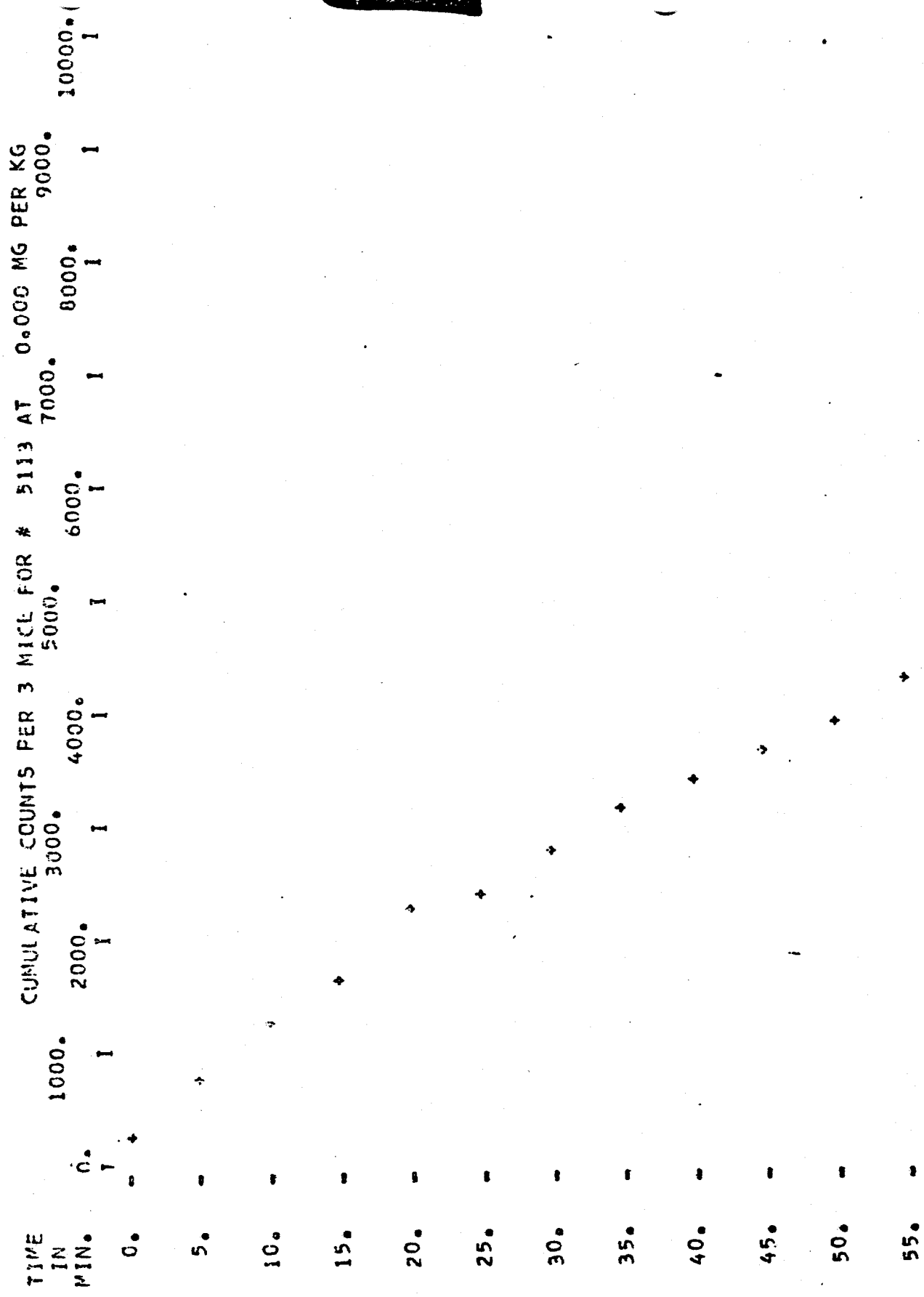
| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | I | I | I | I | I | I | I | I | I | I |
| 5. | - | I | I | I | I | I | I | I | I | I | I |
| 10. | - | I | I | I | I | I | I | I | I | I | I |
| 15. | - | I | I | I | I | I | I | I | I | I | I |
| 20. | - | I | I | I | I | I | I | I | I | I | I |
| 25. | - | I | I | I | I | I | I | I | I | I | I |
| 30. | - | I | I | I | I | I | I | I | I | I | I |
| 35. | - | I | I | I | I | I | I | I | I | I | I |
| 40. | - | I | I | I | I | I | I | I | I | I | I |
| 45. | - | I | I | I | I | I | I | I | I | I | I |
| 50. | - | I | I | I | I | I | I | I | I | I | I |
| 55. | - | I | I | I | I | I | I | I | I | I | I |
| 60. | - | I | I | I | I | I | I | I | I | I | I |

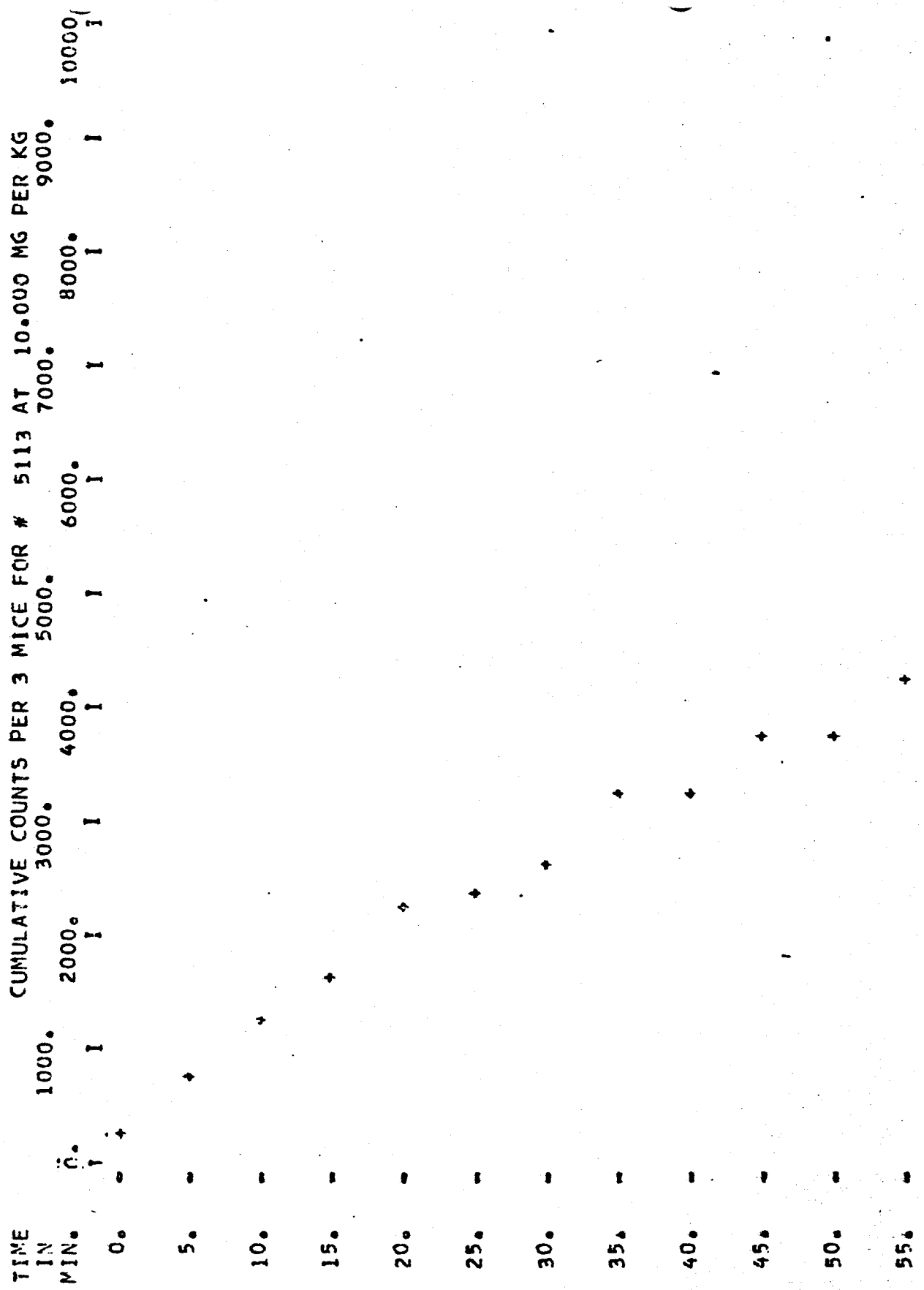
381



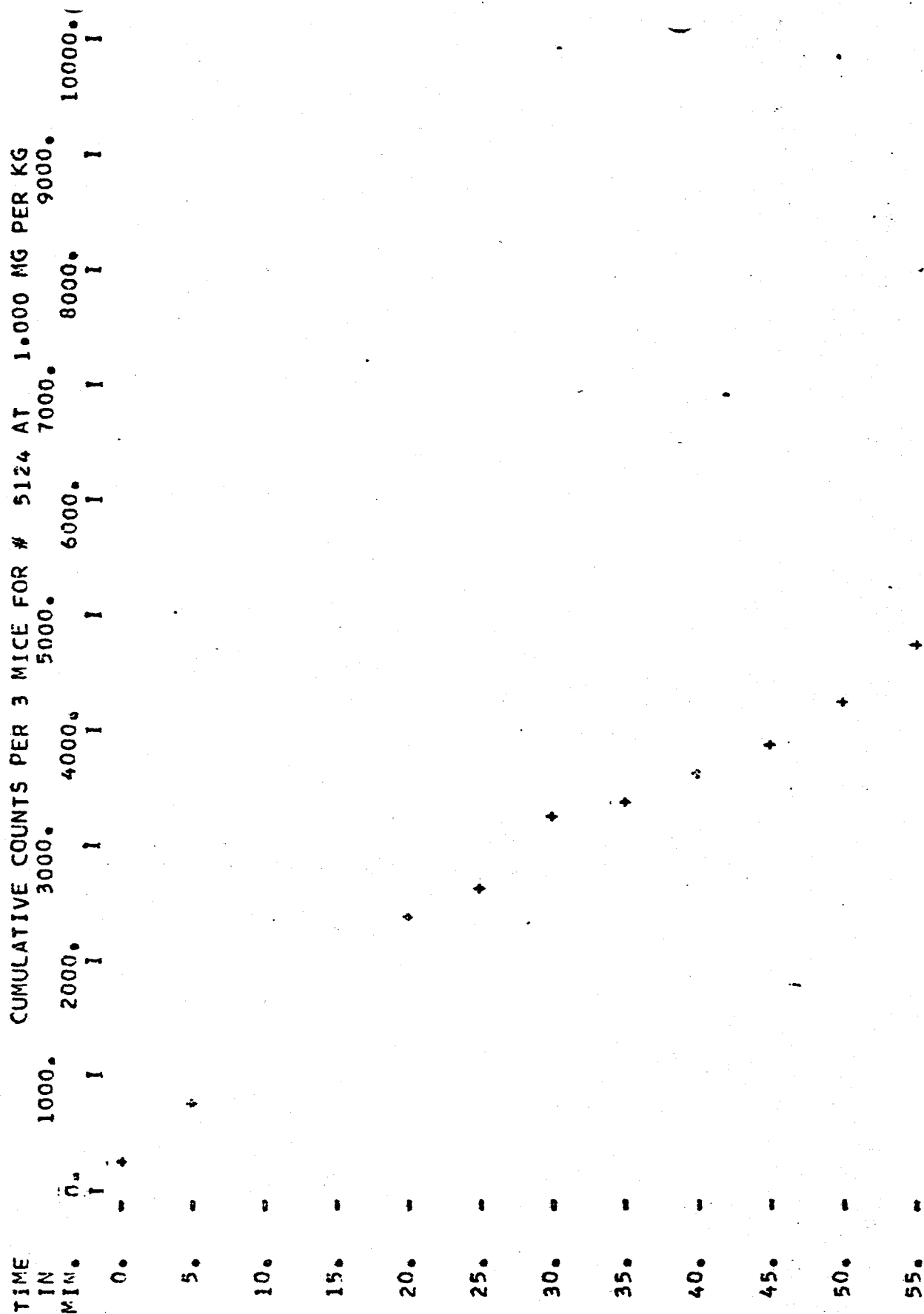


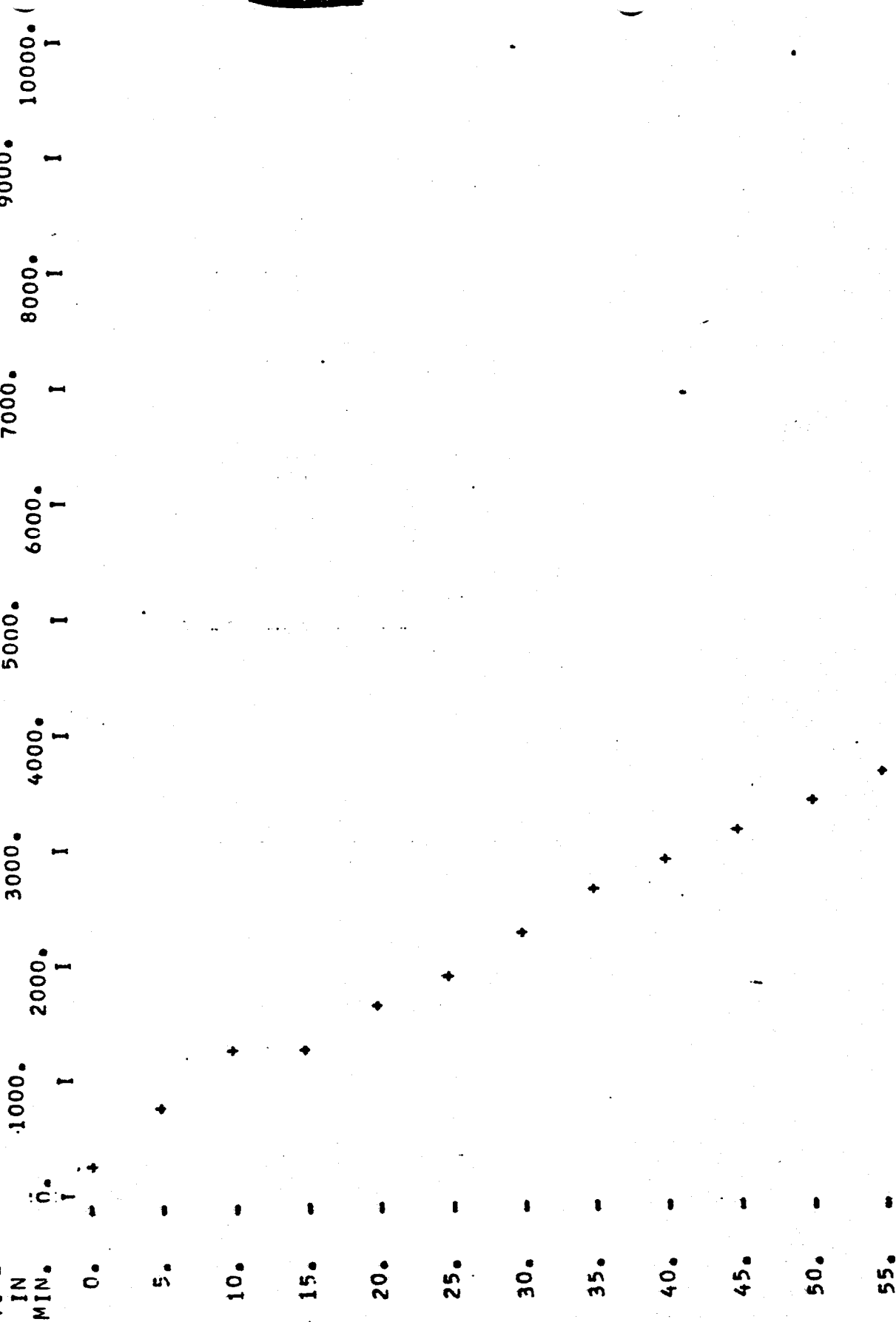






| CUMULATIVE COUNTS PER 3 MICE FOR # 5124 AT 100.000 MG PER KG | | | | | | | | | | | |
|--|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
| 0. | - | I | I | I | I | I | I | I | I | I | I |
| 5. | - | | | | | | | | | | |
| 10. | - | | | | | | | | | | |
| 15. | - | | | | | | | | | | |
| 20. | - | | | | | | | | | | |
| 25. | - | | | | | | | | | | |
| 30. | - | | | | | | | | | | |
| 35. | - | | | | | | | | | | |
| 40. | - | | | | | | | | | | |
| 45. | - | | | | | | | | | | |
| 50. | - | | | | | | | | | | |
| 55. | - | | | | | | | | | | |





CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT 0.000 MG PER KG

TIME

IN

MIN.

1000.

2000.

3000.

4000.

5000.

6000.

7000.

8000.

9000.

10000.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

55.

60.

+

+

+

+

+

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I



| TIME
IN
MIN. | CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT 10.000 MG PER KG | | | | | | | | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
| 0. | - | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | + | | | | | | | | | |
| 20. | - | + | | | | | | | | | |
| 25. | - | + | | | | | | | | | |
| 30. | - | + | | | | | | | | | |
| 35. | - | + | | | | | | | | | |
| 40. | - | + | | | | | | | | | |
| 45. | - | + | | | | | | | | | |
| 50. | - | | | | | | | | | | |
| 55. | - | | | | | | | | | | |



CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT 1.000 MG PER KG

TIME
IN
MIN.

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000. (

0. - +

5. - +

10. - +

15. - +

20. - +

25. - +

30. - +

35. - +

40. - +

45. - +

50. - +

55. - +

TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # 5145 AT .100 MG PER KG

| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | | | | | | | | | |
| 5. | - | + | | | | | | | | | |
| 10. | - | | + | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | | | | | | | | | |
| 30. | - | | | | | | | | | | |
| 35. | - | | | | | | | | | | |
| 40. | - | | | | | | | | | | |
| 45. | - | | | | | | | | | | |
| 50. | - | | | | | | | | | | |
| 55. | - | | | | | | | | | | |



CUMULATIVE COUNTS PER 3 MICE FOR # 5211 AT 10,000 MG PER KG

TIME
IN
MIN.

0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000

0.

5.

10.

15.

20.

25.

30.

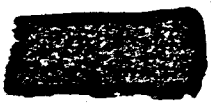
35.

40.

45.

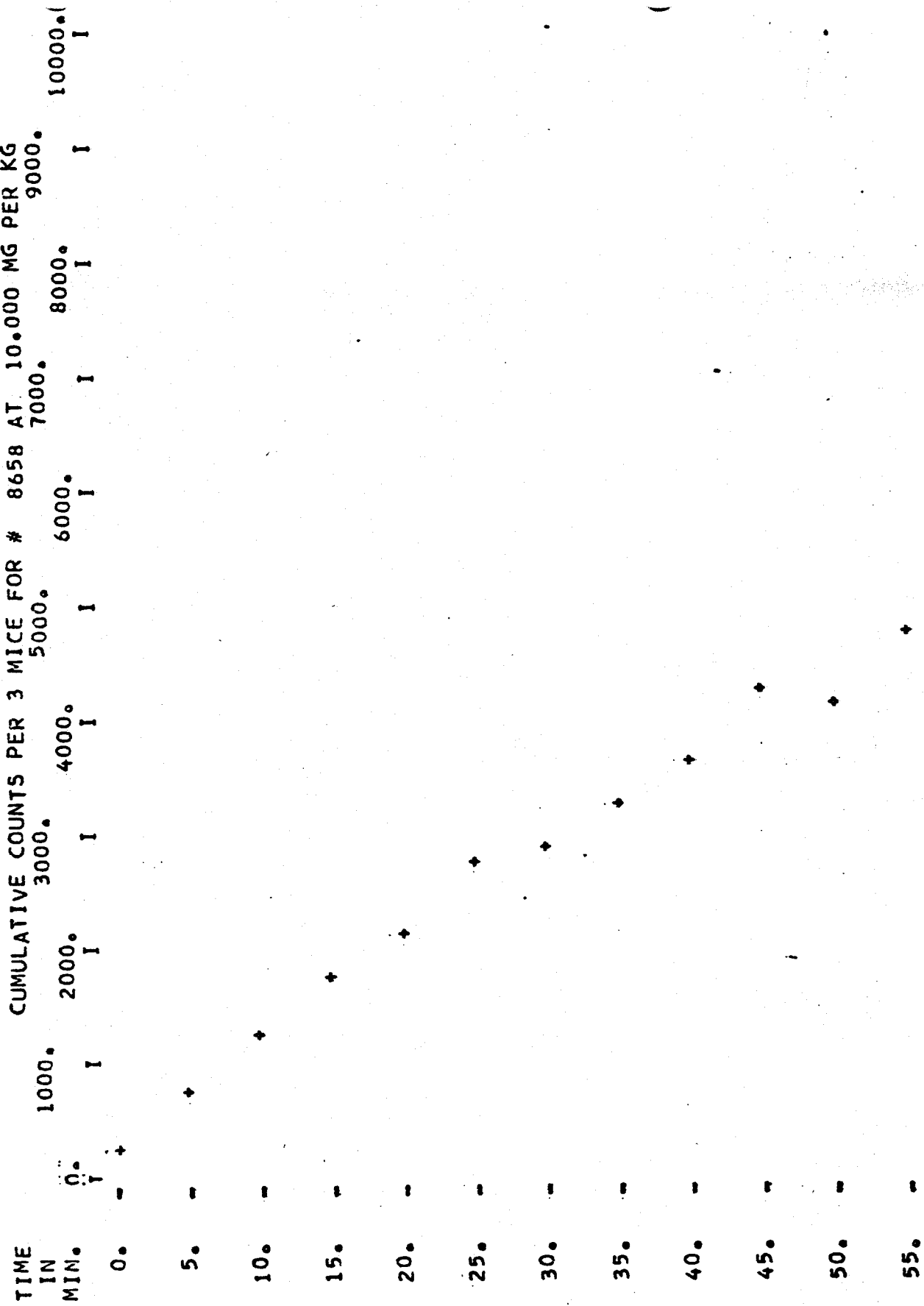
50.

55.



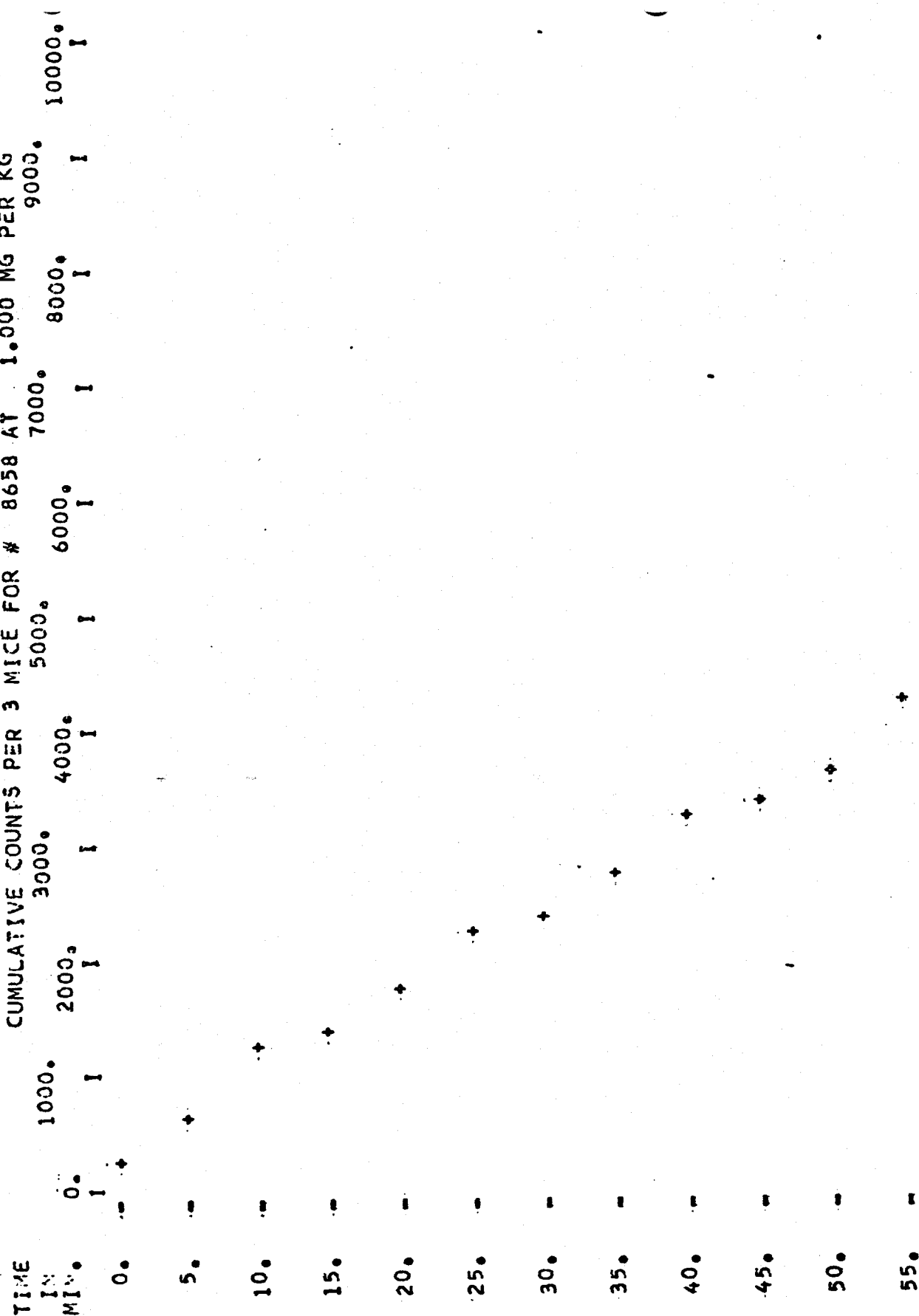
[illegible]

CUMULATIVE COUNTS PER 3 MICE FOR # 8658 AT 10.000 MG PER KG

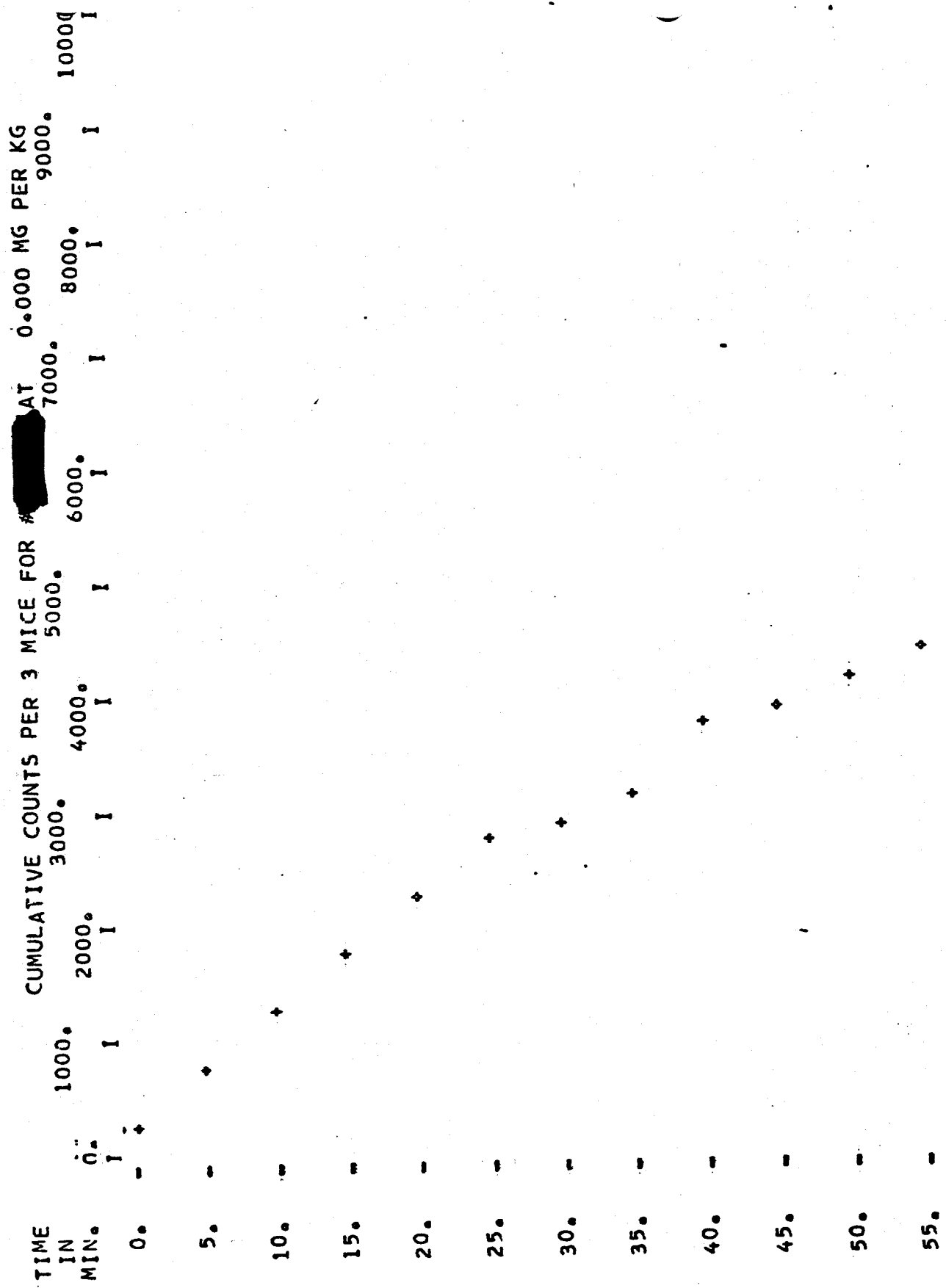


410

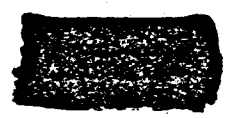
CUMULATIVE COUNTS PER 3 MICE FOR # 8658 AT 1.000 MG PER KG



412



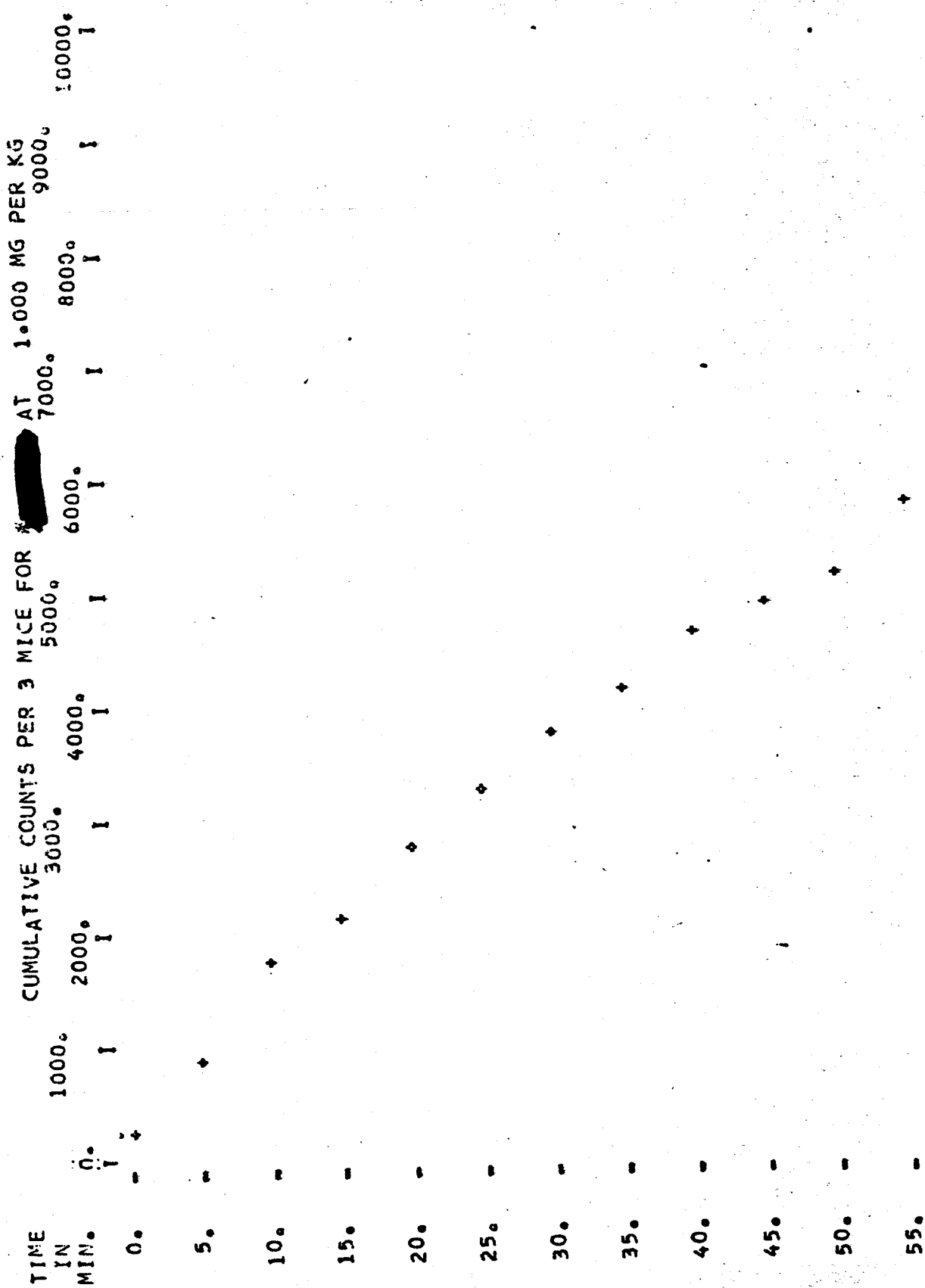
| TIME
IN
MIN. | CUMULATIVE COUNTS PER 3 MICE FOR # | | | | | | | | | | AT 32,000 MG PER KG | | |
|--------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|--|--|
| | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. | | |
| 0. | - | I | I | I | I | I | I | I | I | I | I | | |
| 5. | - | + | | | | | | | | | | | |
| 10. | - | + | | | | | | | | | | | |
| 15. | - | + | | | | | | | | | | | |
| 20. | - | + | | | | | | | | | | | |
| 25. | - | + | | | | | | | | | | | |
| 30. | - | + | | | | | | | | | | | |
| 35. | - | + | | | | | | | | | | | |
| 40. | - | + | | | | | | | | | | | |
| 45. | - | + | | | | | | | | | | | |
| 50. | - | + | | | | | | | | | | | |
| 55. | - | + | | | | | | | | | | | |



TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR # [REDACTED] AT 10.000 MG PER KG

| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | | + | | | | | | | |
| 30. | - | | | + | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | + | | | | | | | |
| 45. | - | | | + | | | | | | | |
| 50. | - | | | + | | | | | | | |
| 55. | - | | | | | | | | | | + |

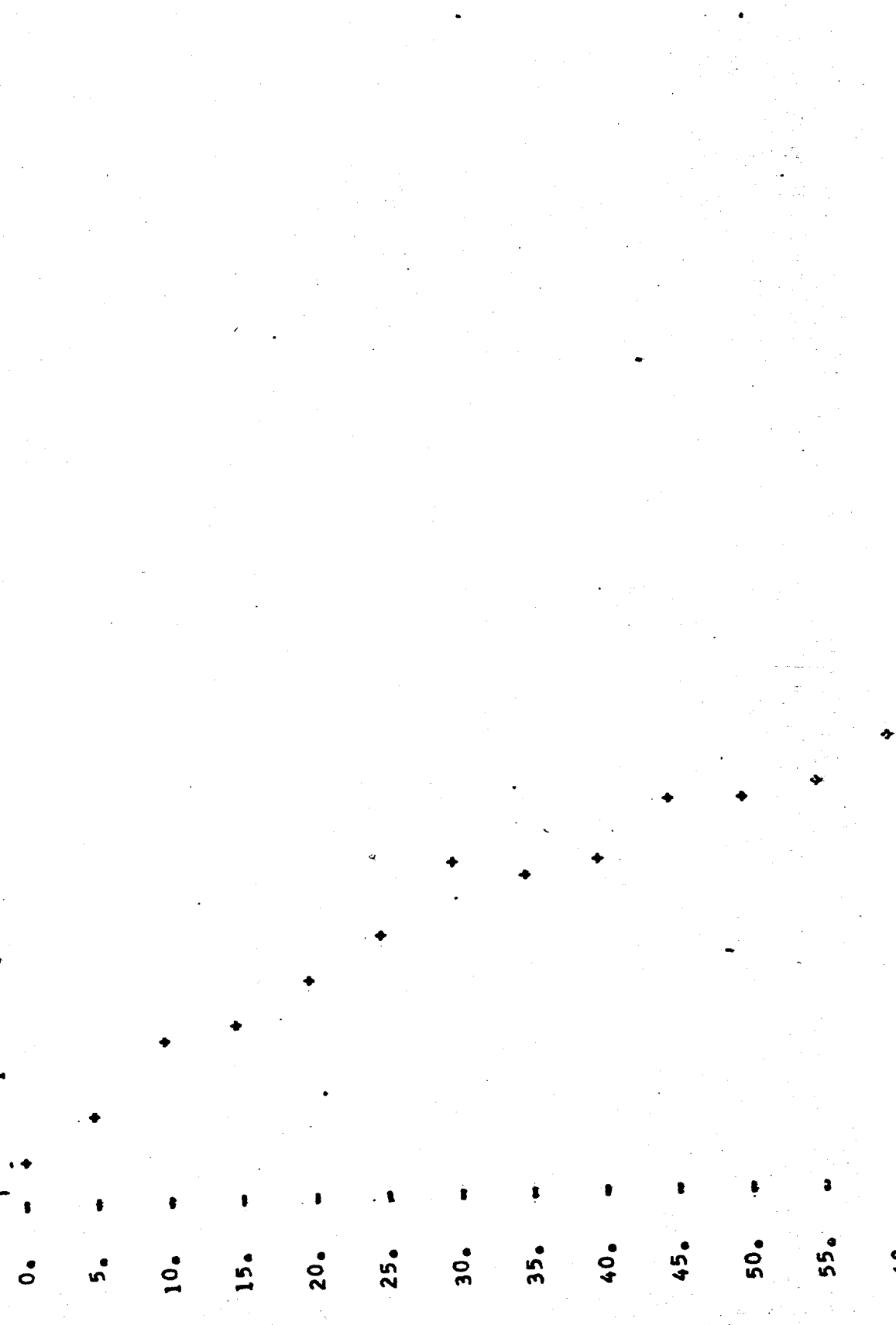
[REDACTED]



CUMULATIVE COUNTS PER 3 MICE FOR # [REDACTED] AT .100 MG PER KG

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR 93463 AT 0.000 MG PER KG

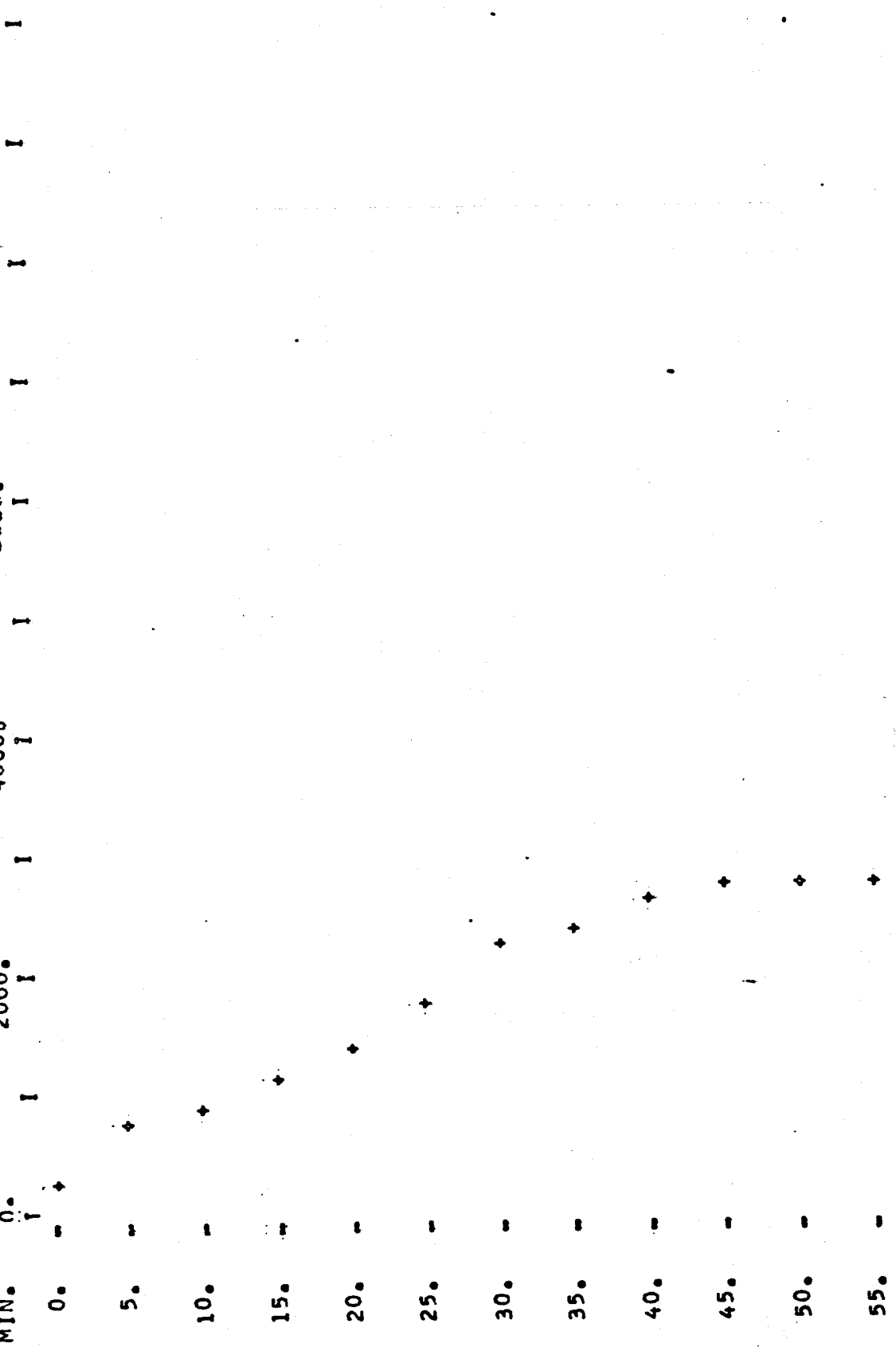
| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | I | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | | + | | | | | | | | |
| 15. | - | | + | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | | + | | | | | | | |
| 30. | - | | | + | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | + | | | | | | | |
| 45. | - | | | + | | | | | | | |
| 50. | - | | | | + | | | | | | |
| 55. | - | | | | | + | | | | | |
| 60. | - | | | | | | + | | | | |



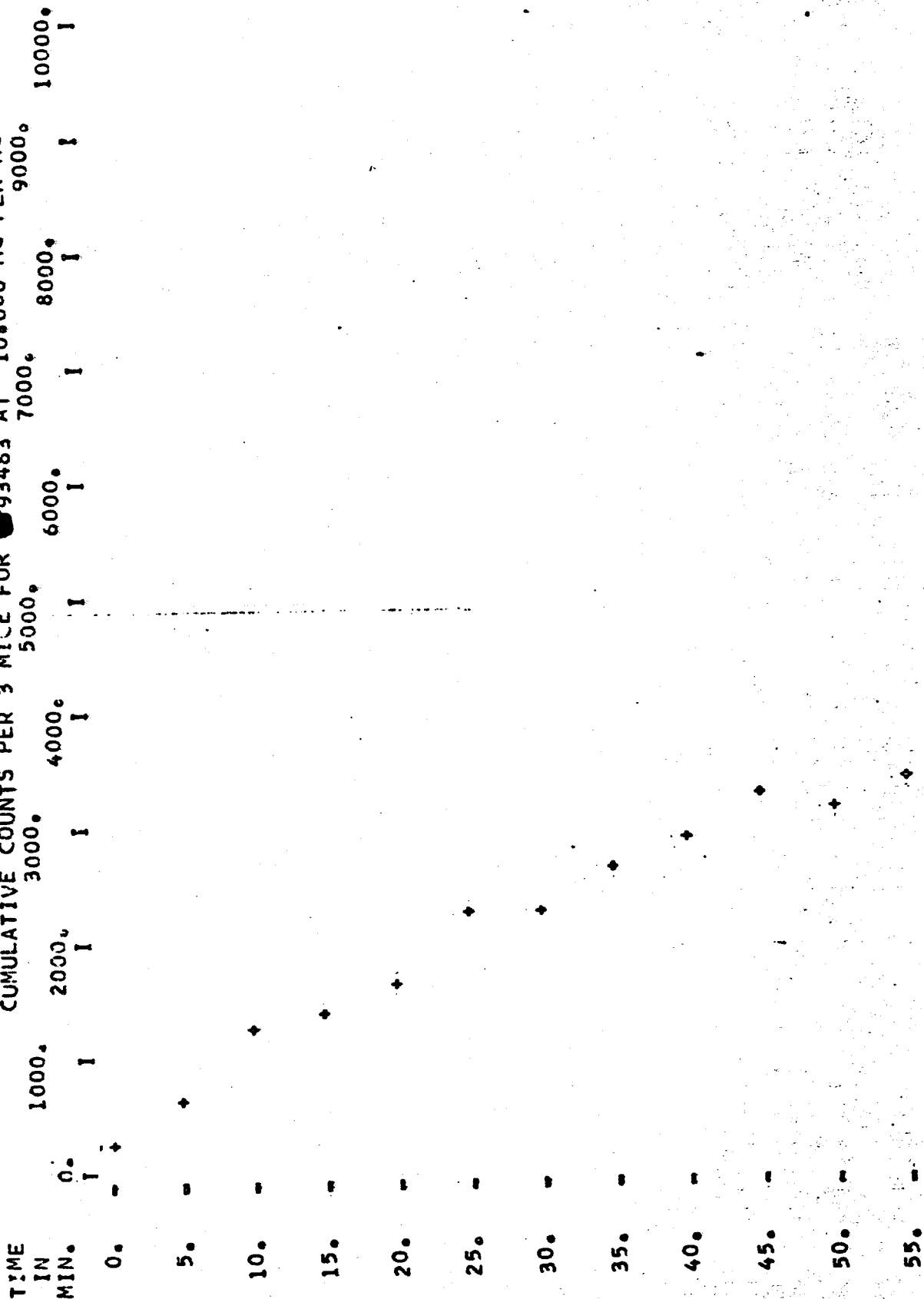
TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.

CUMULATIVE COUNTS PER 3 MICE FOR 93463 AT 32,000 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR 93463 AT 10.000 MG PER KG

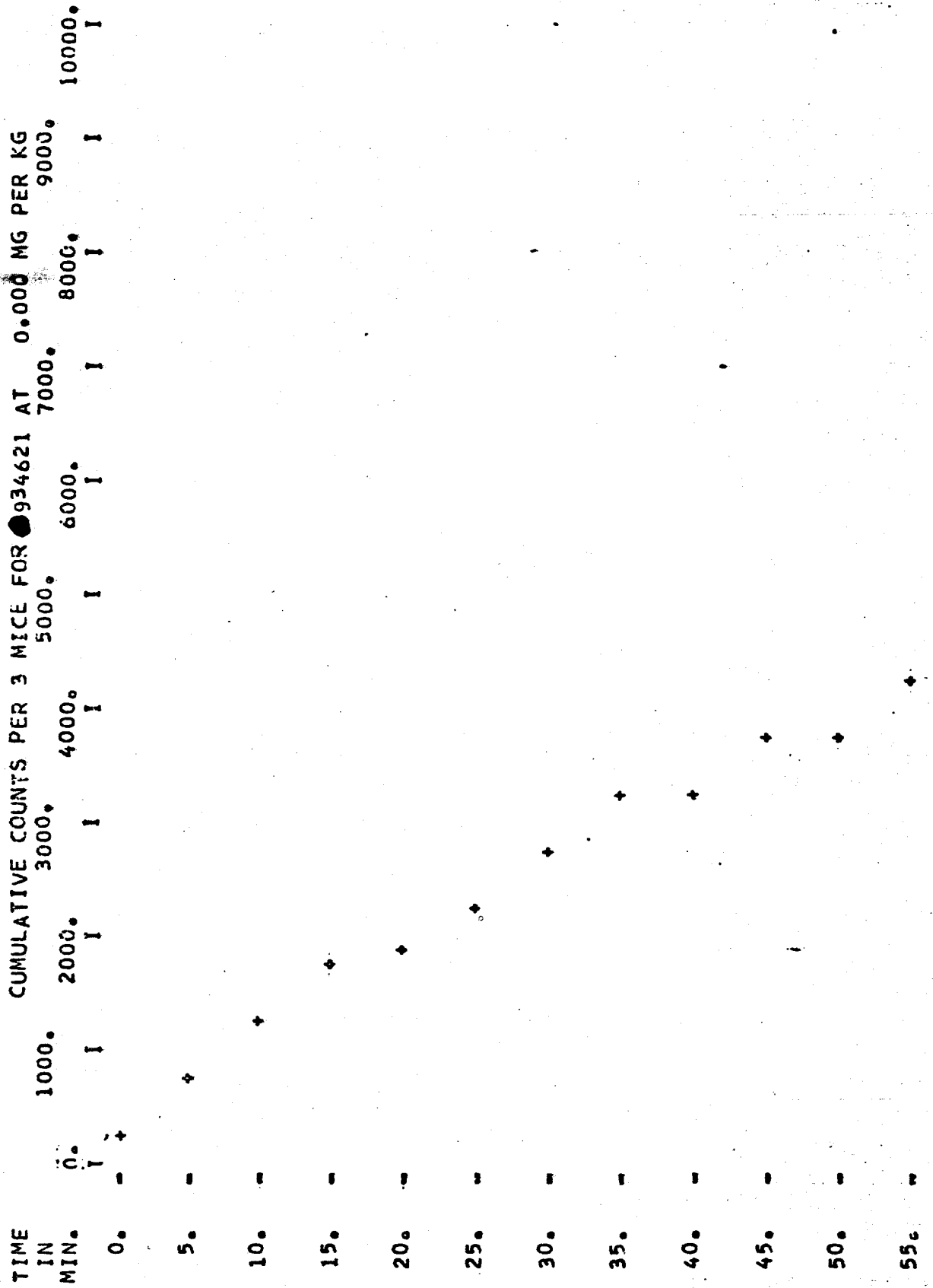


21 9

TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR 93463 AT 1.000 MG PER KG
 0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR 934621 AT 0.000 MG PER KG



[illegible]

TIME
IN
MIN.

0

5

10.

150

20.

25c

30.

35.

40.

45.

50

55

603

1000.

: C

2000.

4000.

7000.

8000.

9000*

1000.

CUMULATIVE COUNTS PER 3 MICE FOR ●934621 AT 10,000 MG PER KG

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

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1 1 1 1 1 1 1 1 1 1 1 1 1

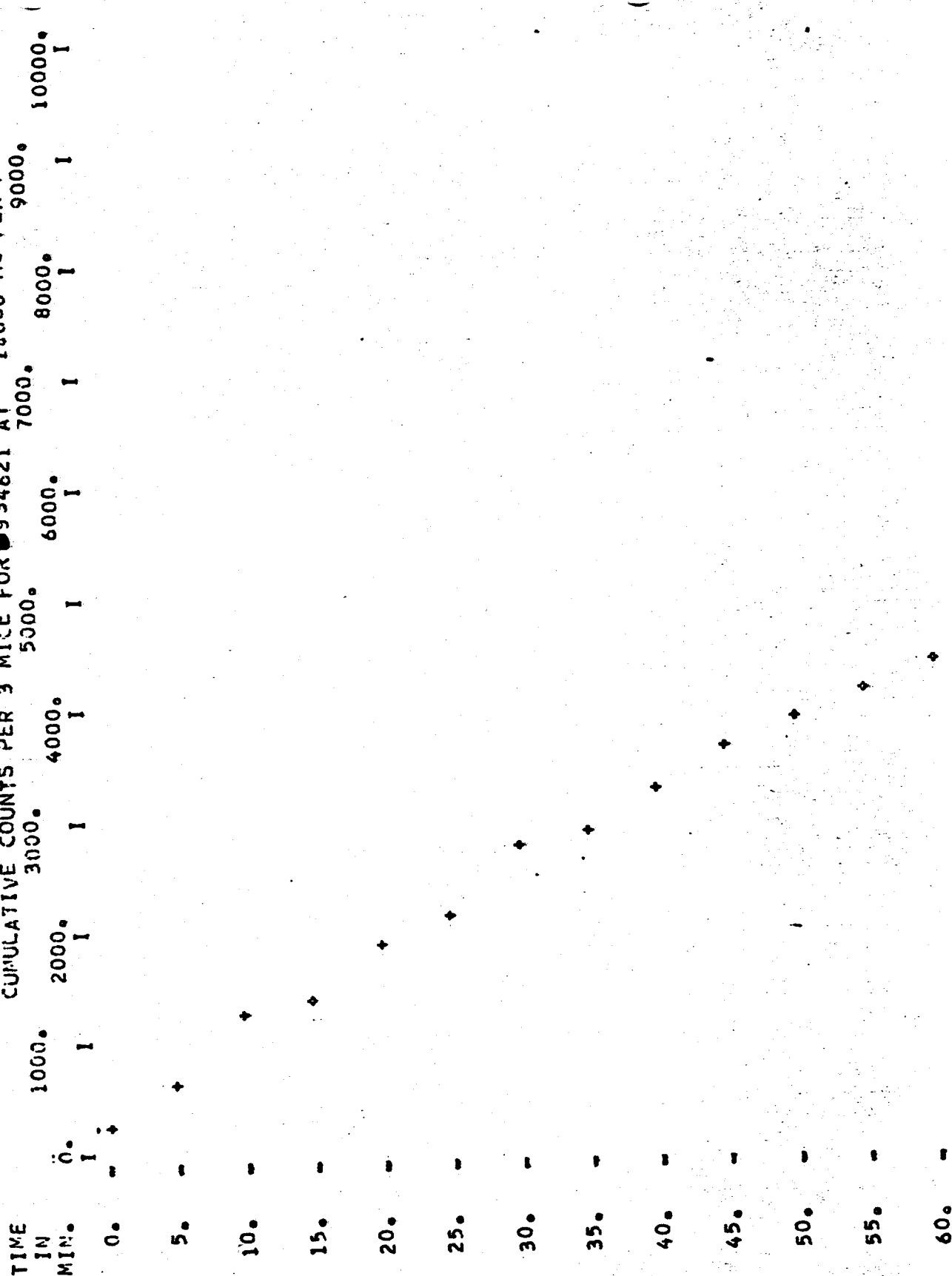
1 1 1 1 1 1 1 1 1 1 1 1 1

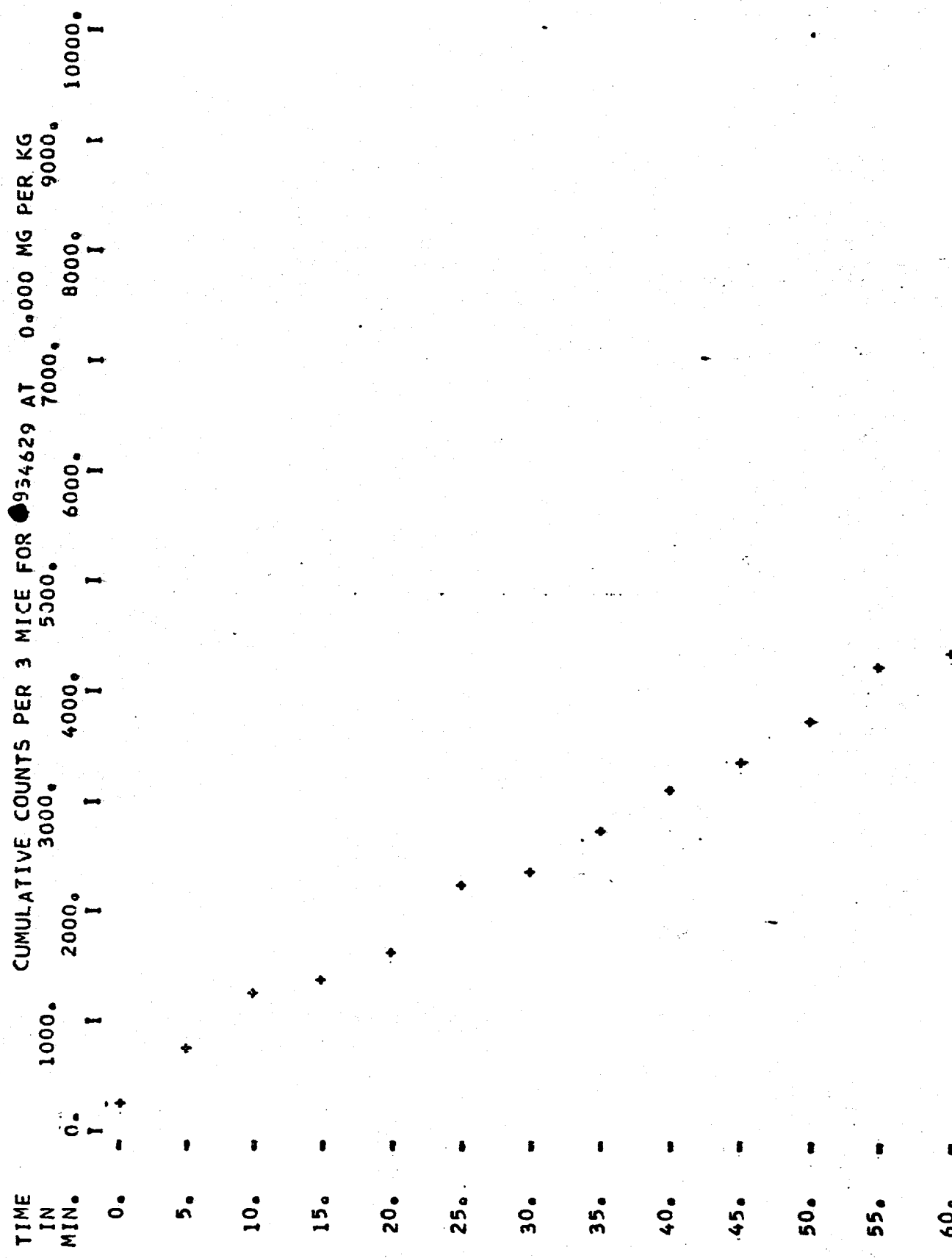
1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1

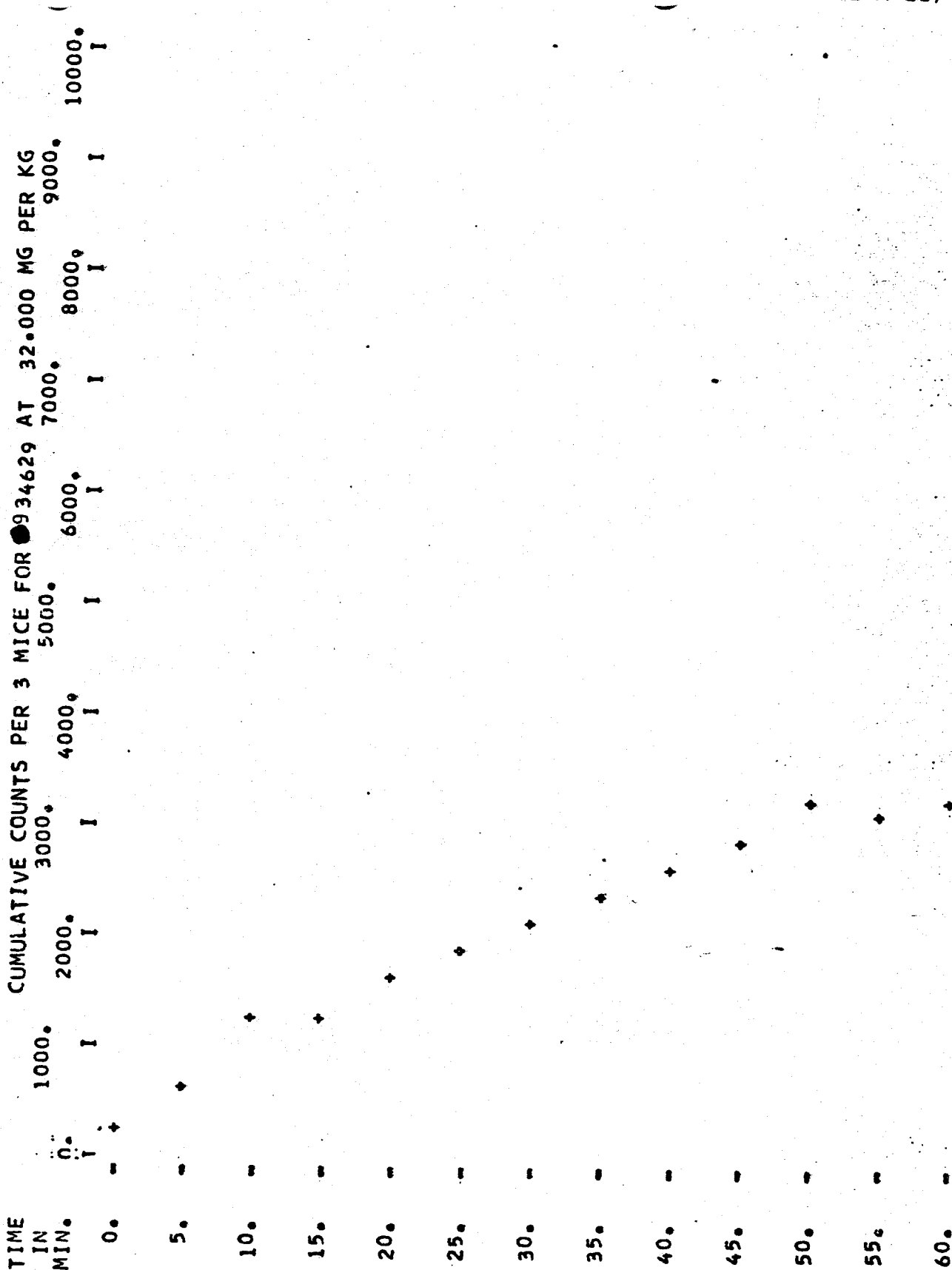
| TIME
IN
MIN. | CUMULATIVE COUNTS PER 3
MICE FOR ●934621 | AT 1.000 MG PER KG |
|--------------------|---|--------------------|
| 0. | | |
| 1000. | 3000. | 9000. |
| | 4000. | 8000. |
| | 5000. | 7000. |
| | 6000. | 10000. |

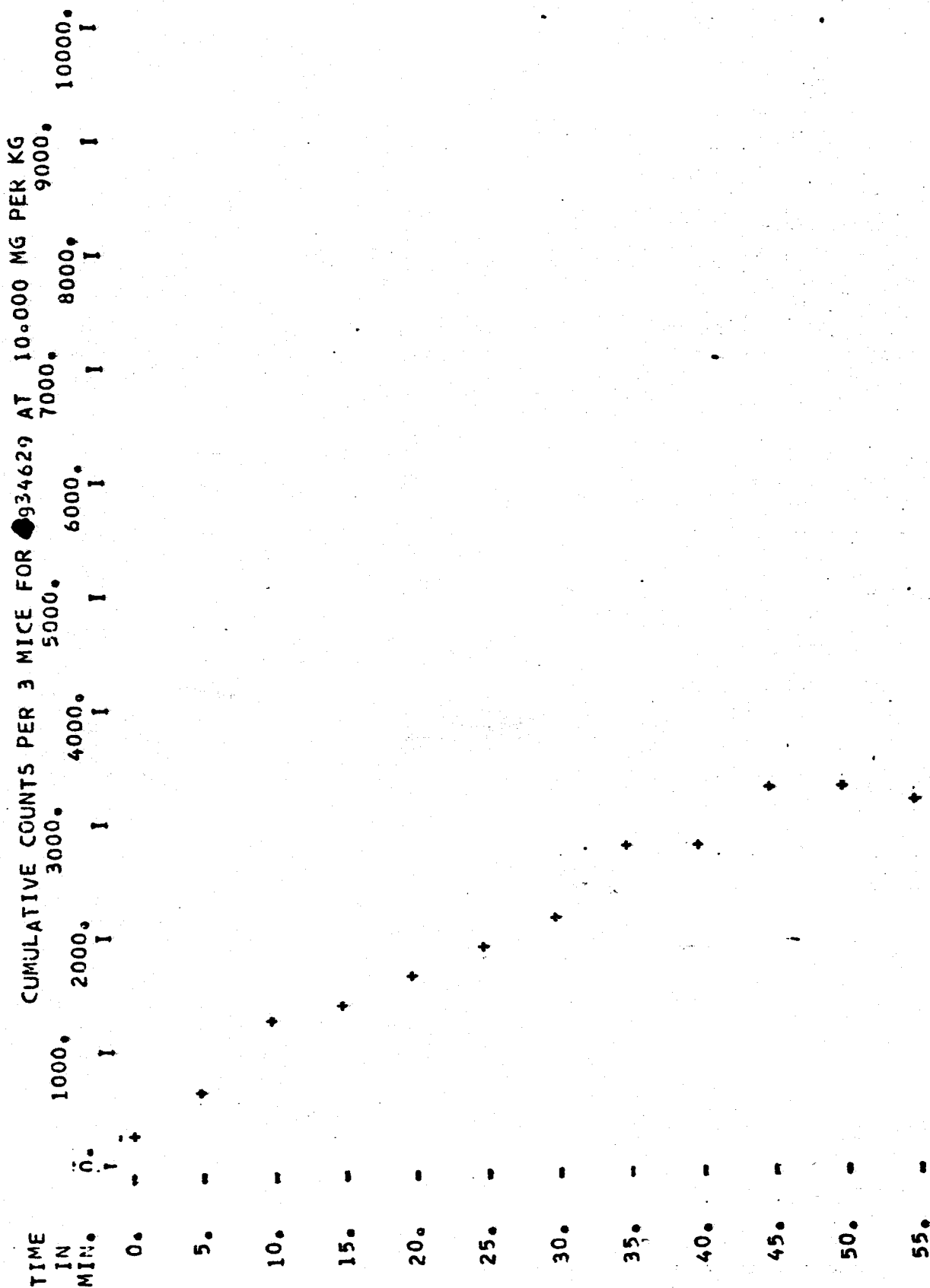




225

CUMULATIVE COUNTS PER 3 MICE FOR 934629 AT 32.000 MG PER KG



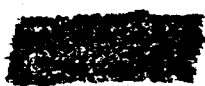


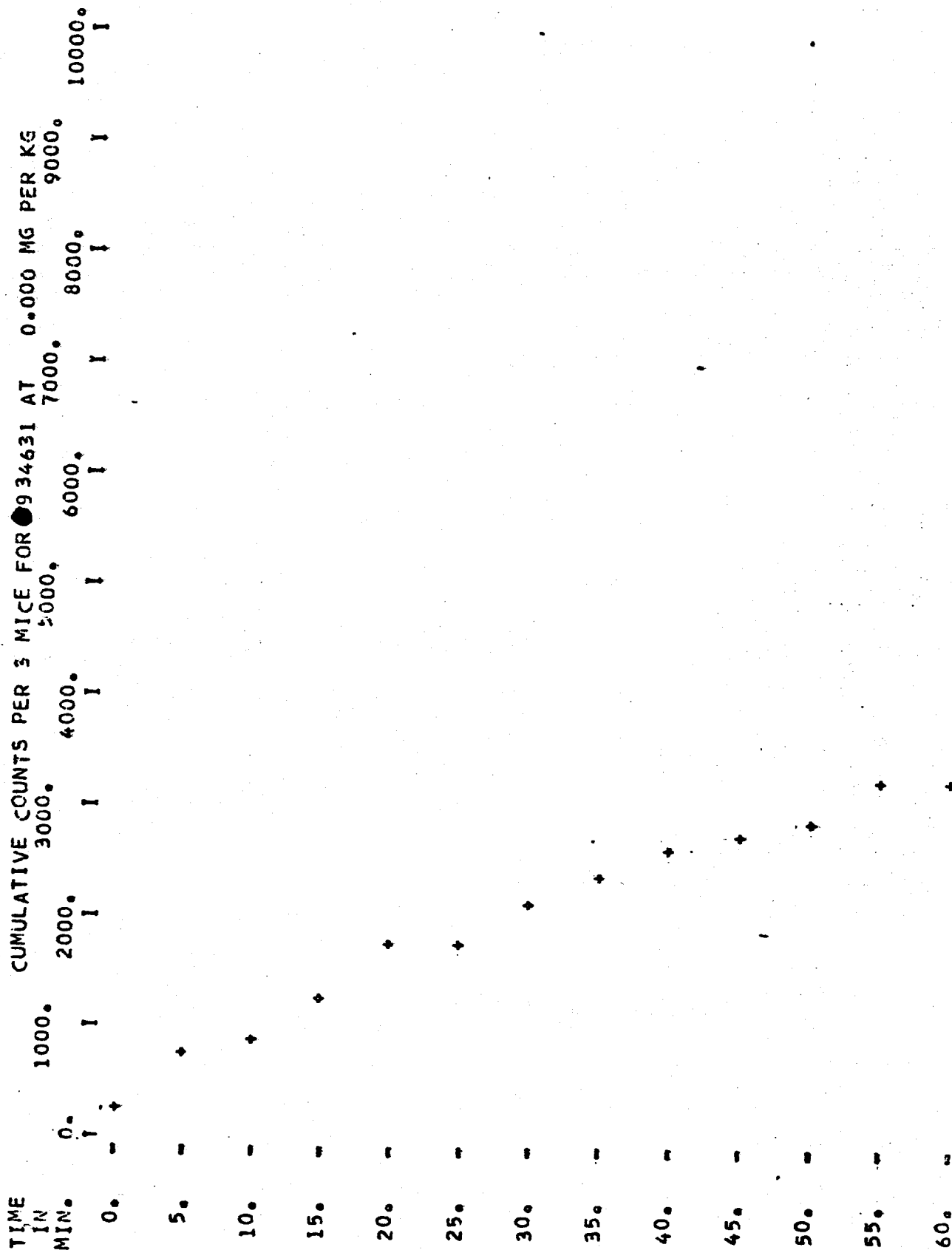
227

CUMULATIVE COUNTS PER 3 MICE FOR 934629 AT 1.000 MG PER KG

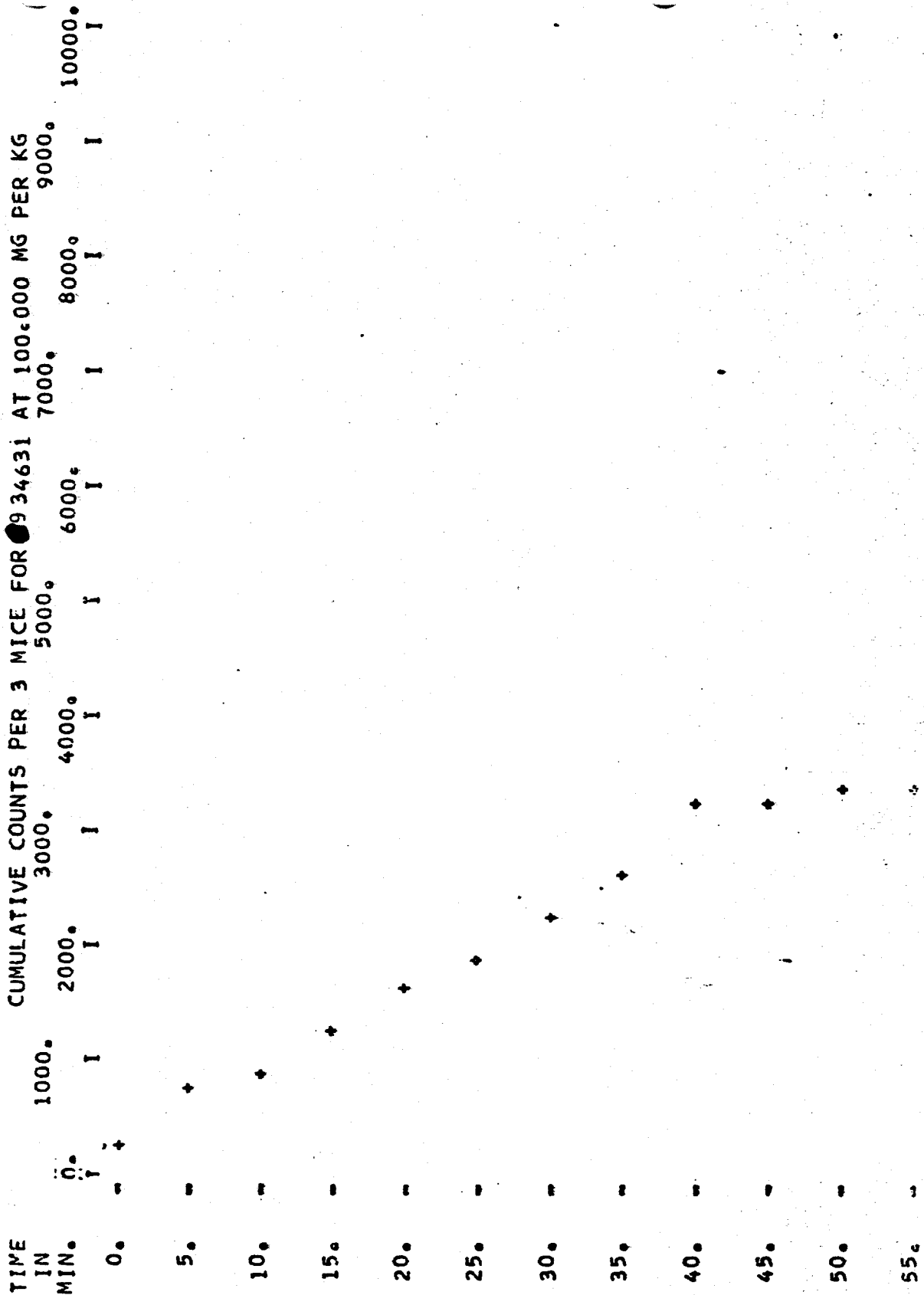
| TIME
IN
MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | I | I | I | I | I | I | I | I | I |
| 5. | - | + | | | | | | | | | |
| 10. | - | + | | | | | | | | | |
| 15. | - | + | | | | | | | | | |
| 20. | - | | + | | | | | | | | |
| 25. | - | | + | | | | | | | | |
| 30. | - | | | + | | | | | | | |
| 35. | - | | | + | | | | | | | |
| 40. | - | | | | + | | | | | | |
| 45. | - | | | | | + | | | | | |
| 50. | - | | | | | | + | | | | |
| 55. | - | | | | | | | + | | | |
| 60. | - | | | | | | | | + | | |

228

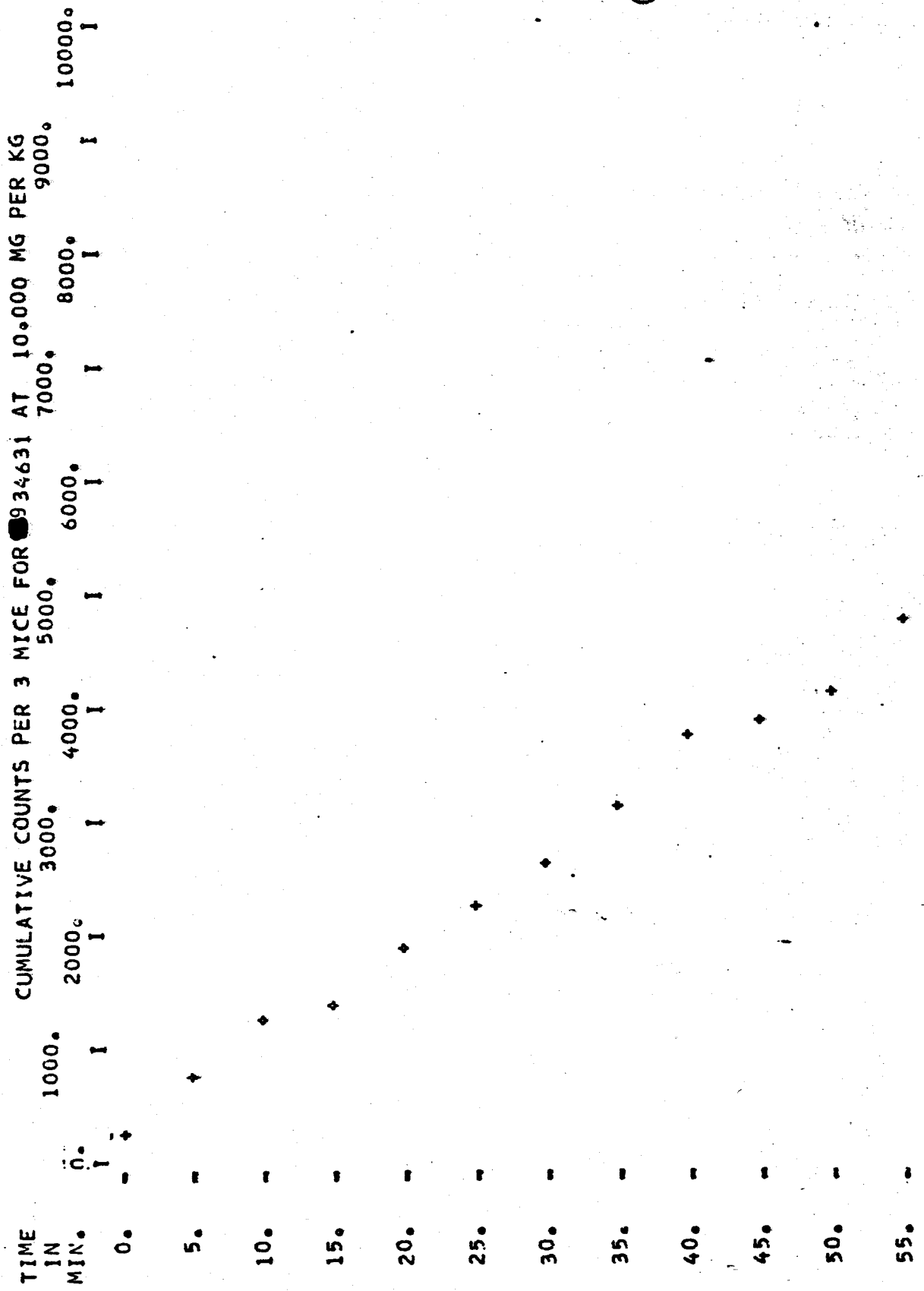




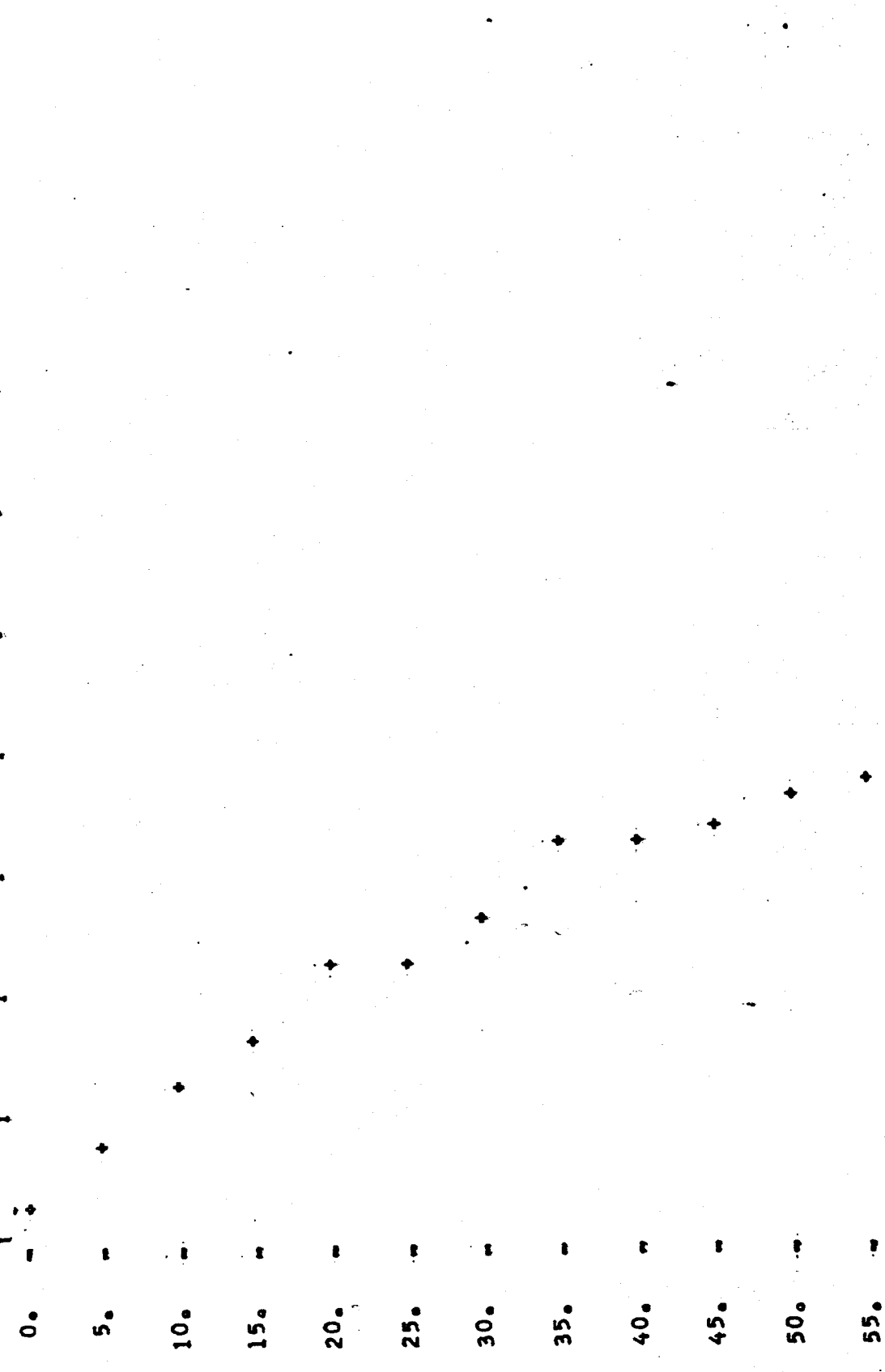
230

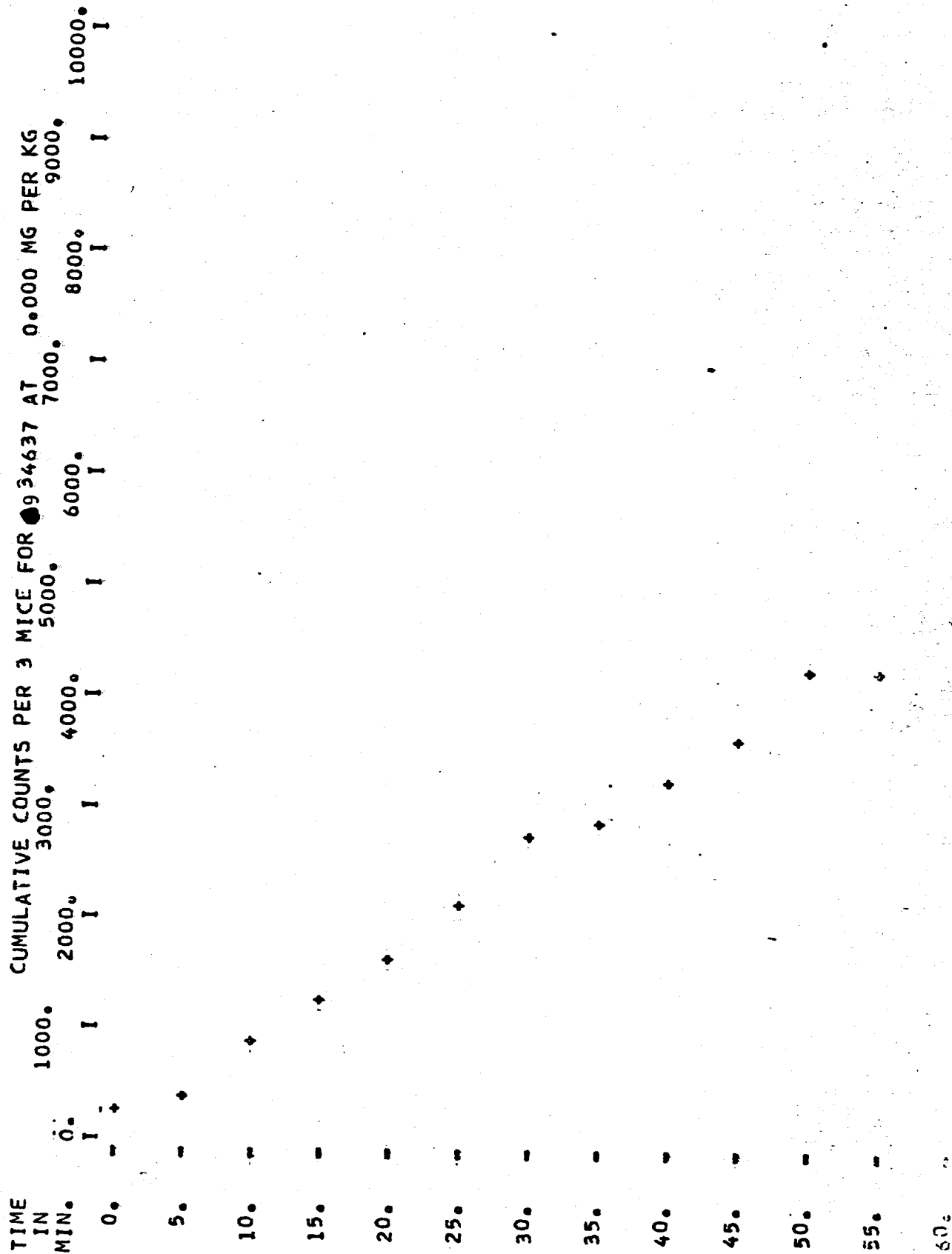


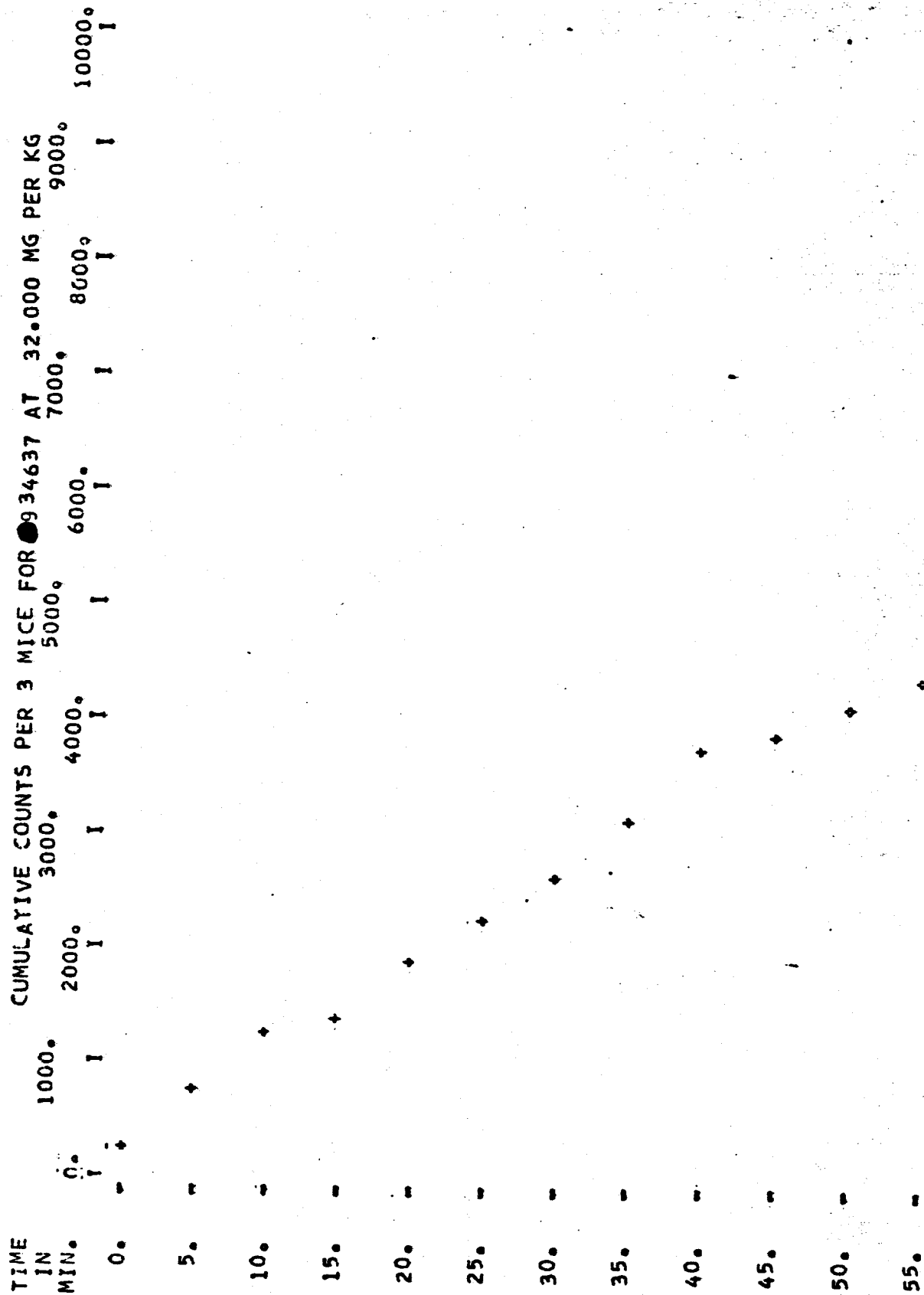
231

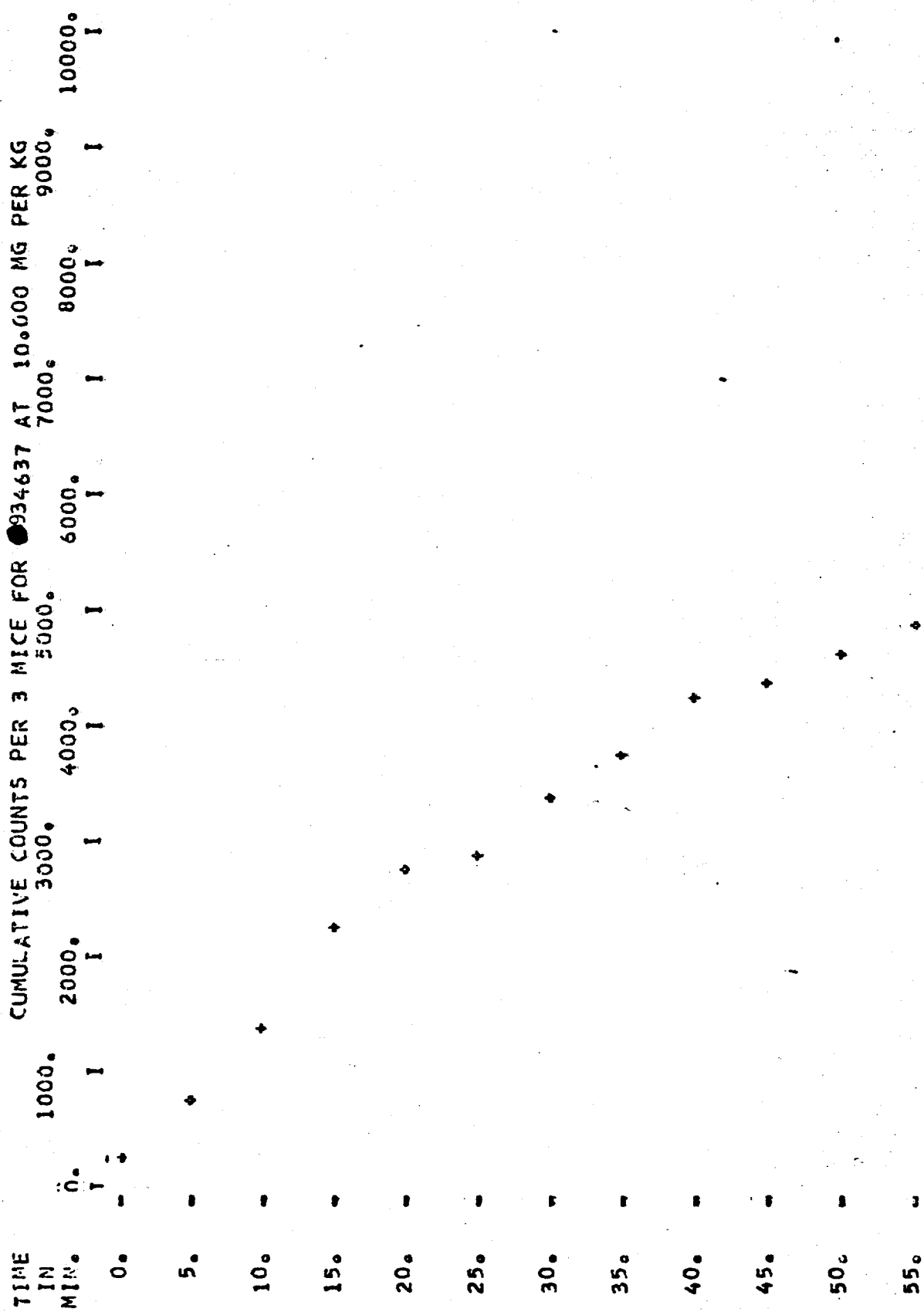


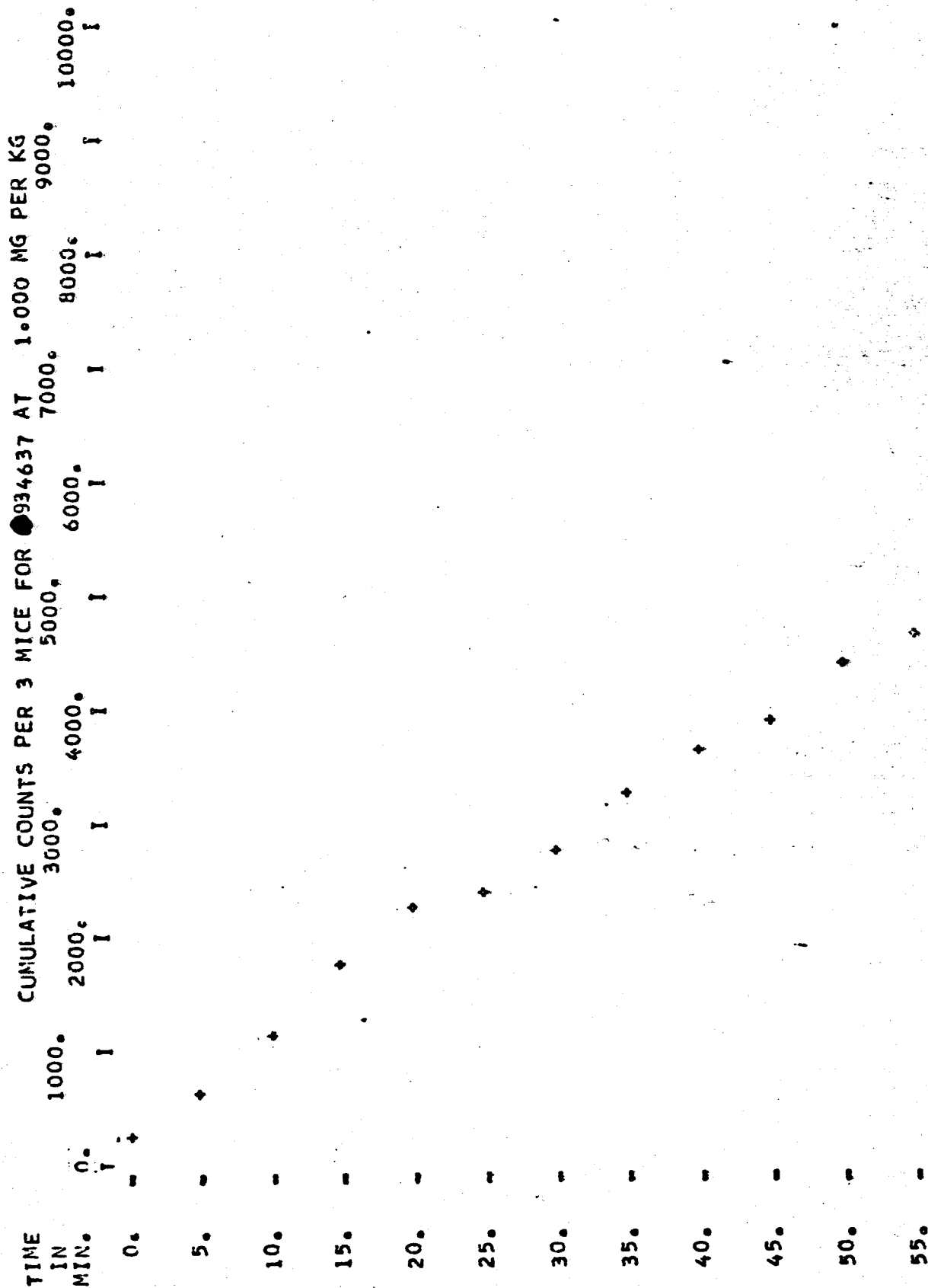
TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR 934631 AT 1.000 MG PER KG
 0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

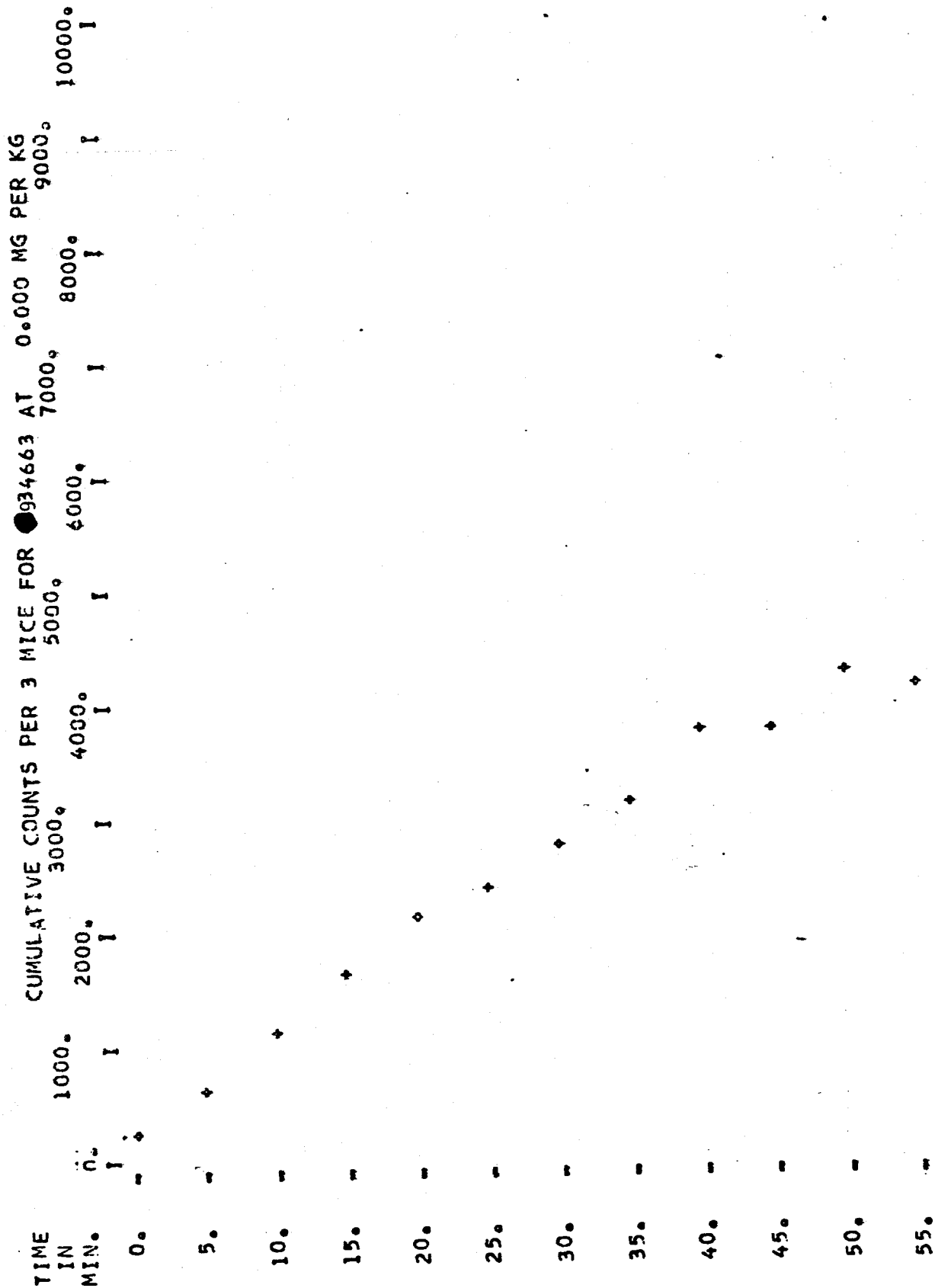




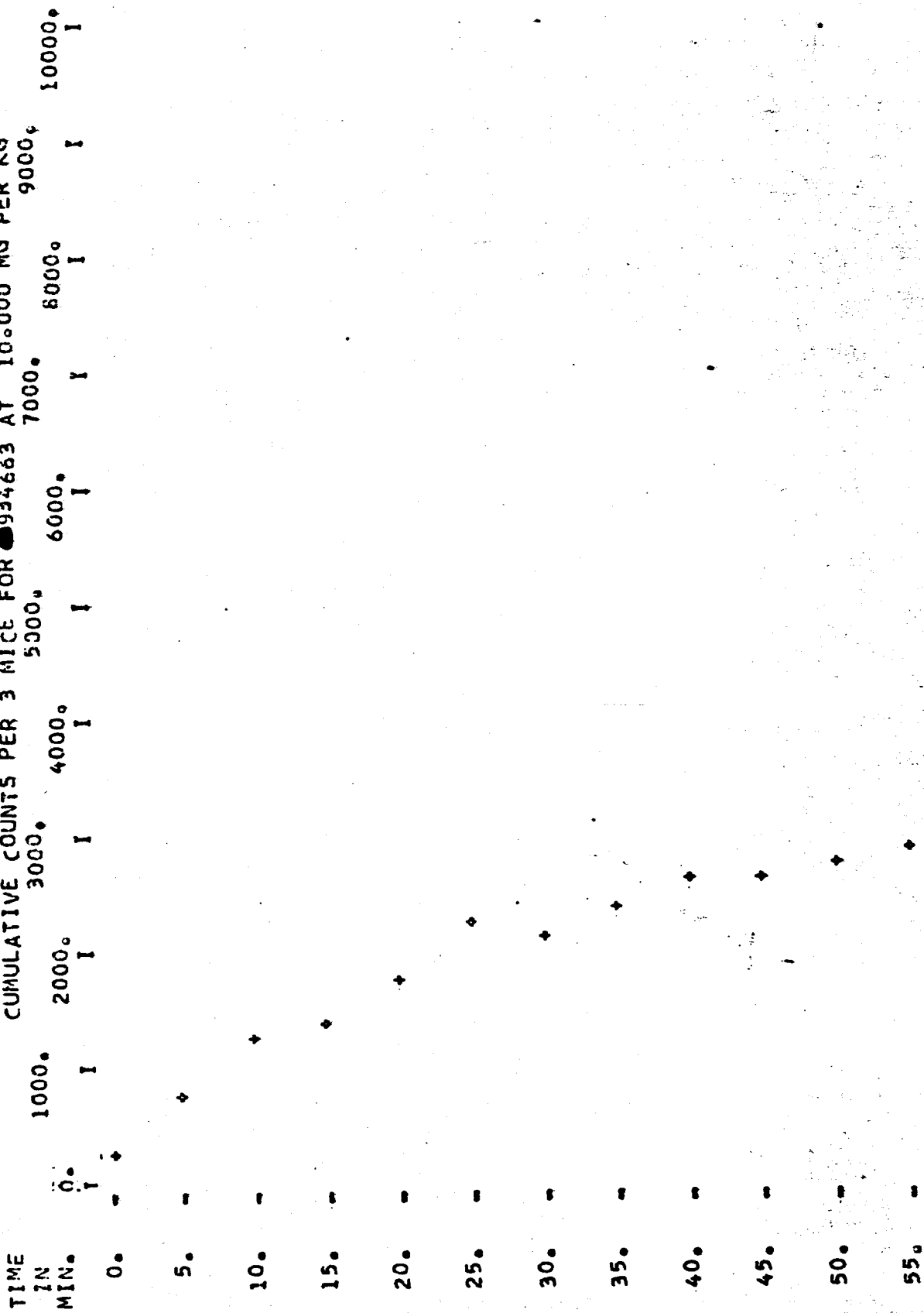








CUMULATIVE COUNTS PER 3 MICE FOR 934663 AT 10.000 MG PER KG



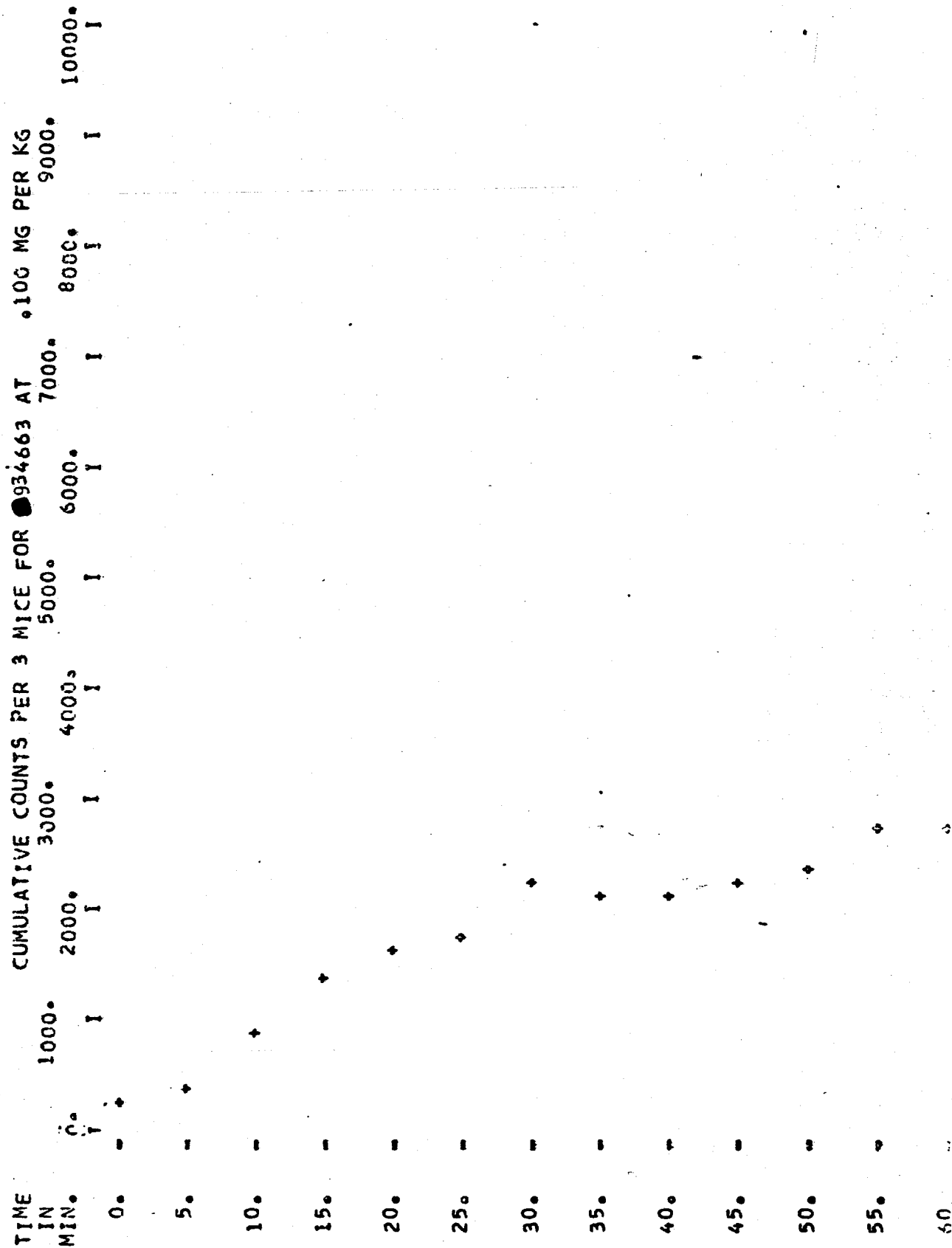
CUMULATIVE COUNTS PER 3 MICE FOR 934663 AT 1.000 MG PER KG

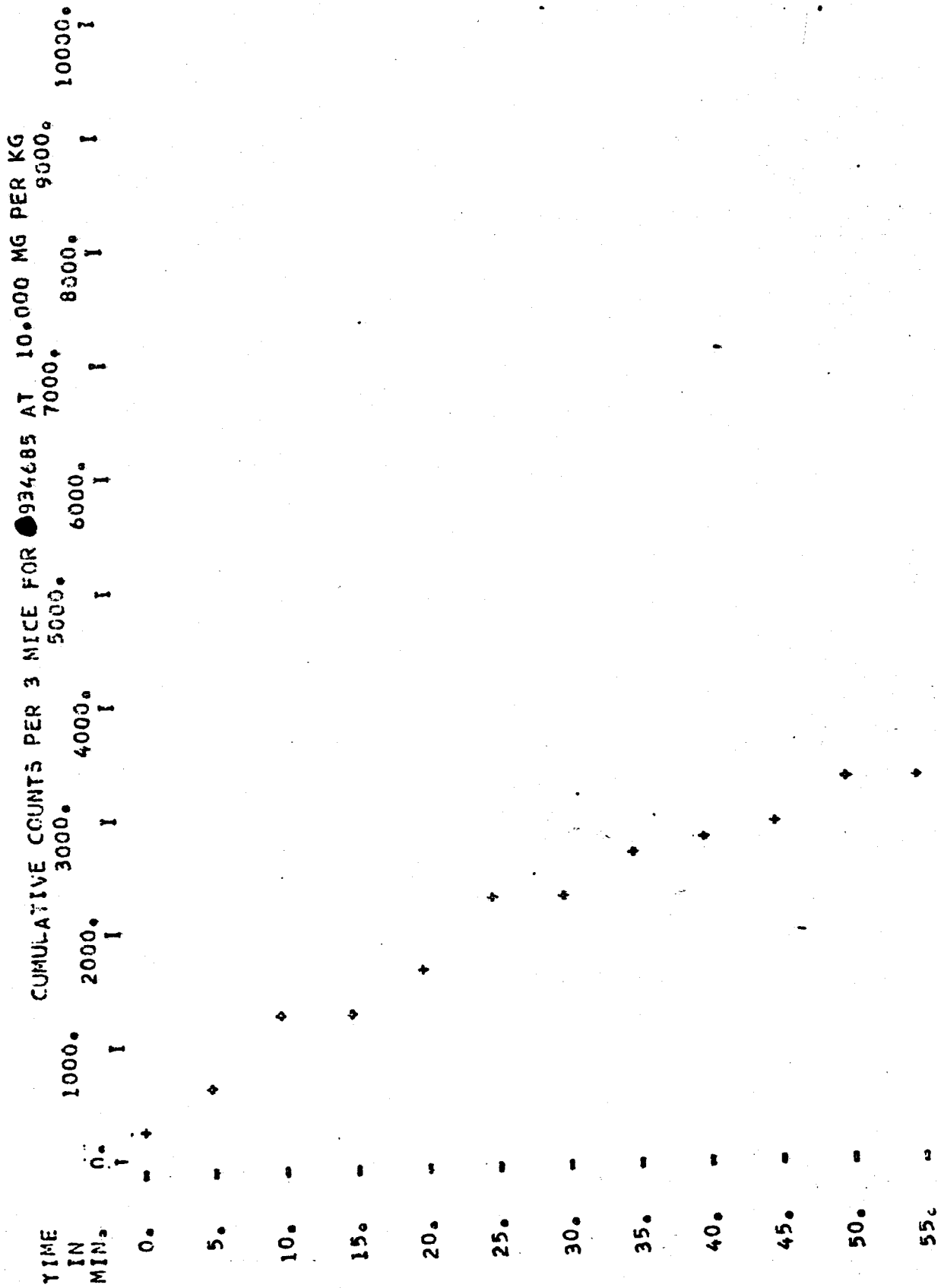
0. 1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55.



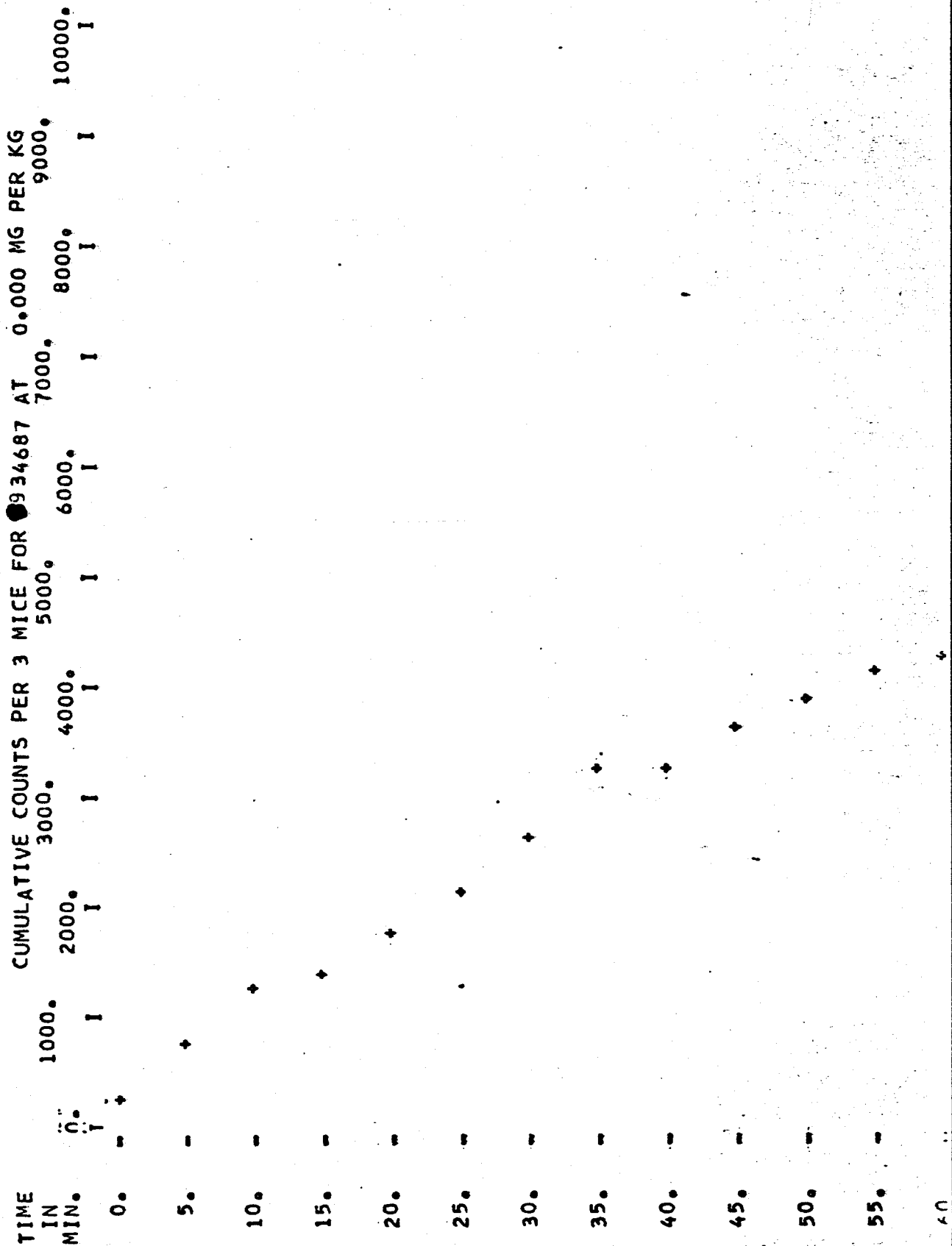
240

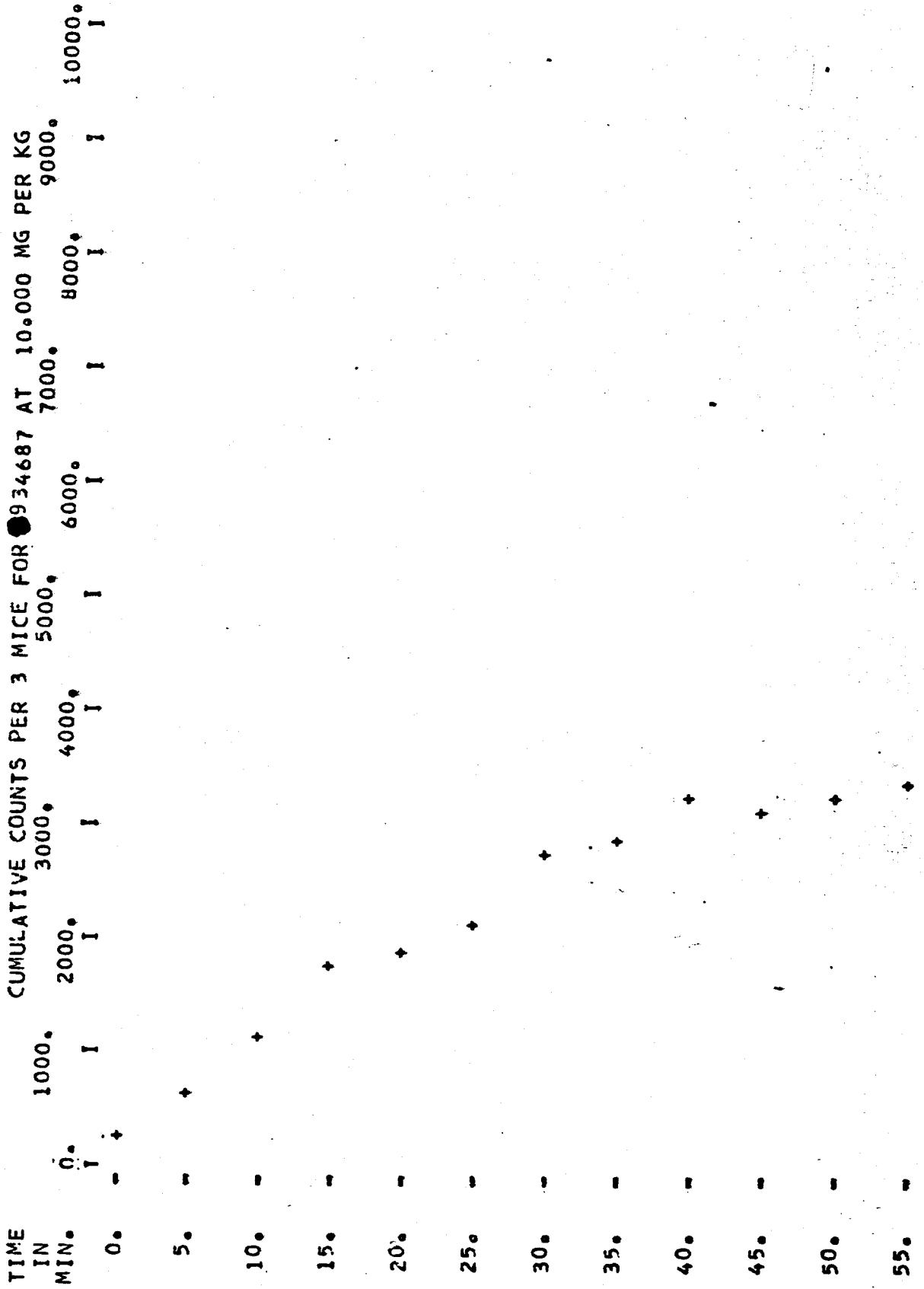




[REDACTED]

244

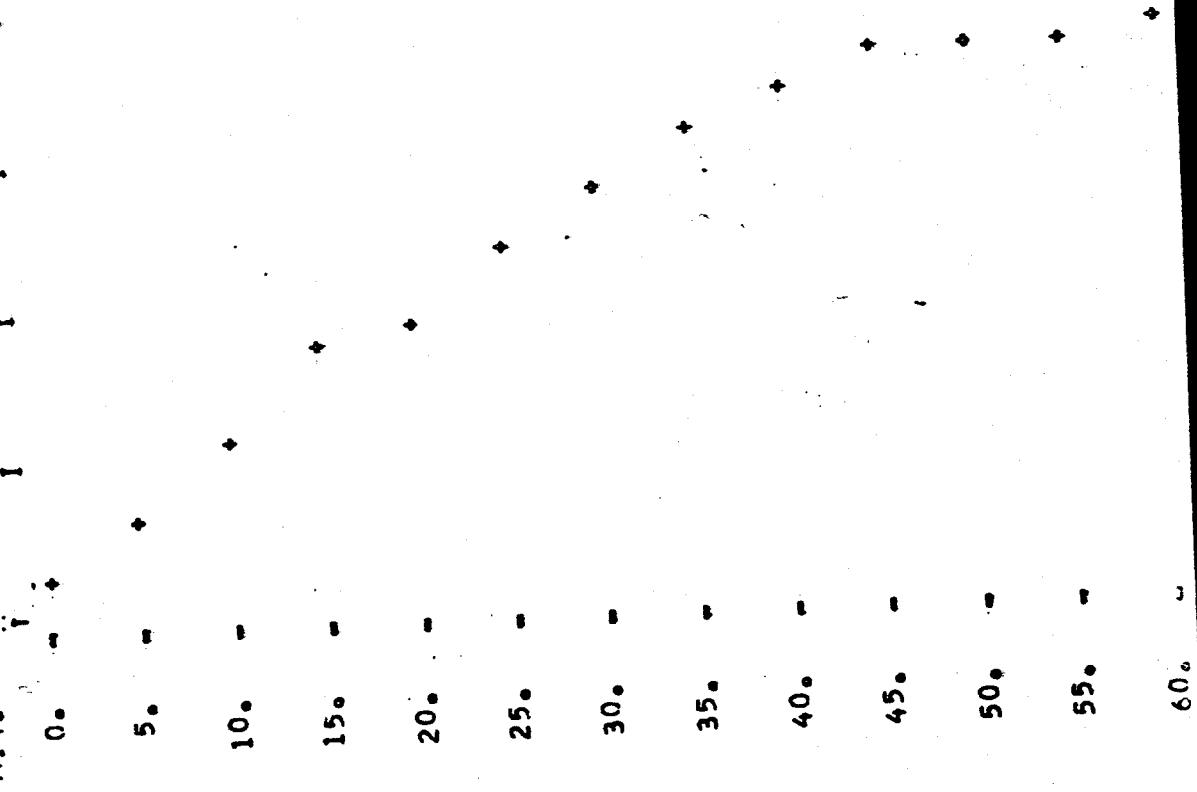




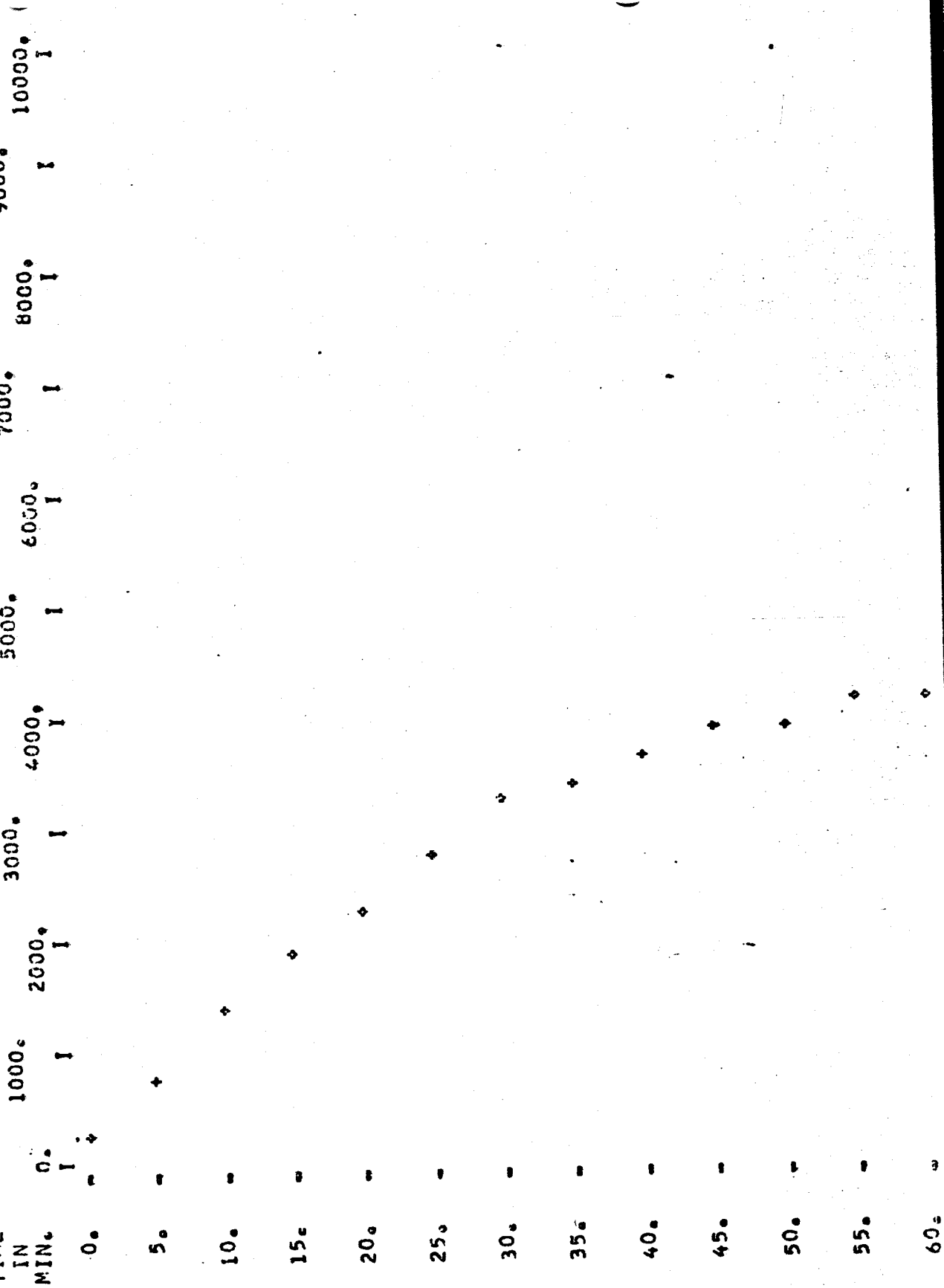
24

TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

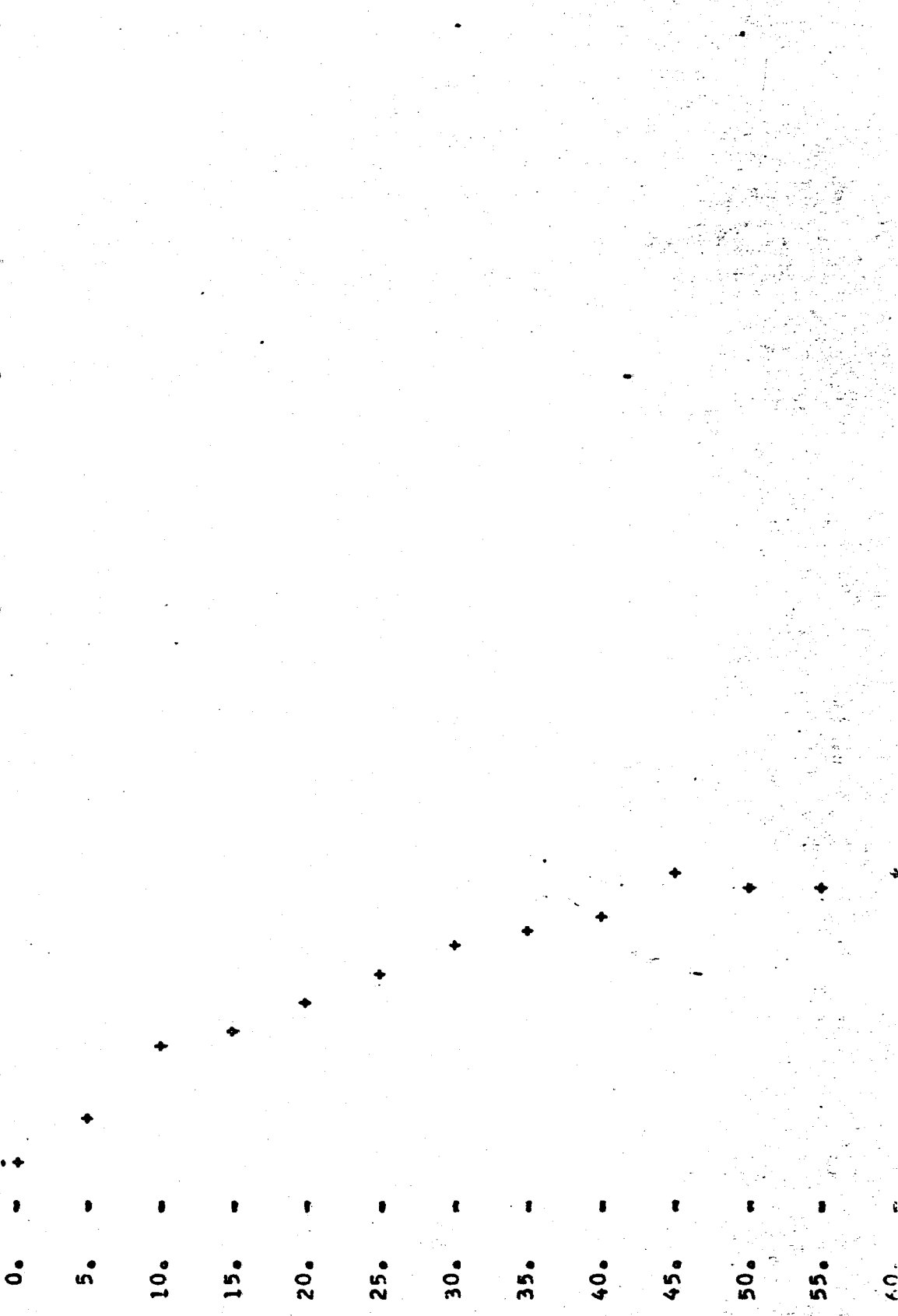
CUMULATIVE COUNTS PER 3 MICE FOR 934687 AT 1.000 MG PER KG 9000. 8000. 7000. 6000. 5000. 4000. 3000. 2000. 1000. 0.



CUMULATIVE COUNTS PER 3 MICE FOR 940513 AT 0.000 MG PER KG



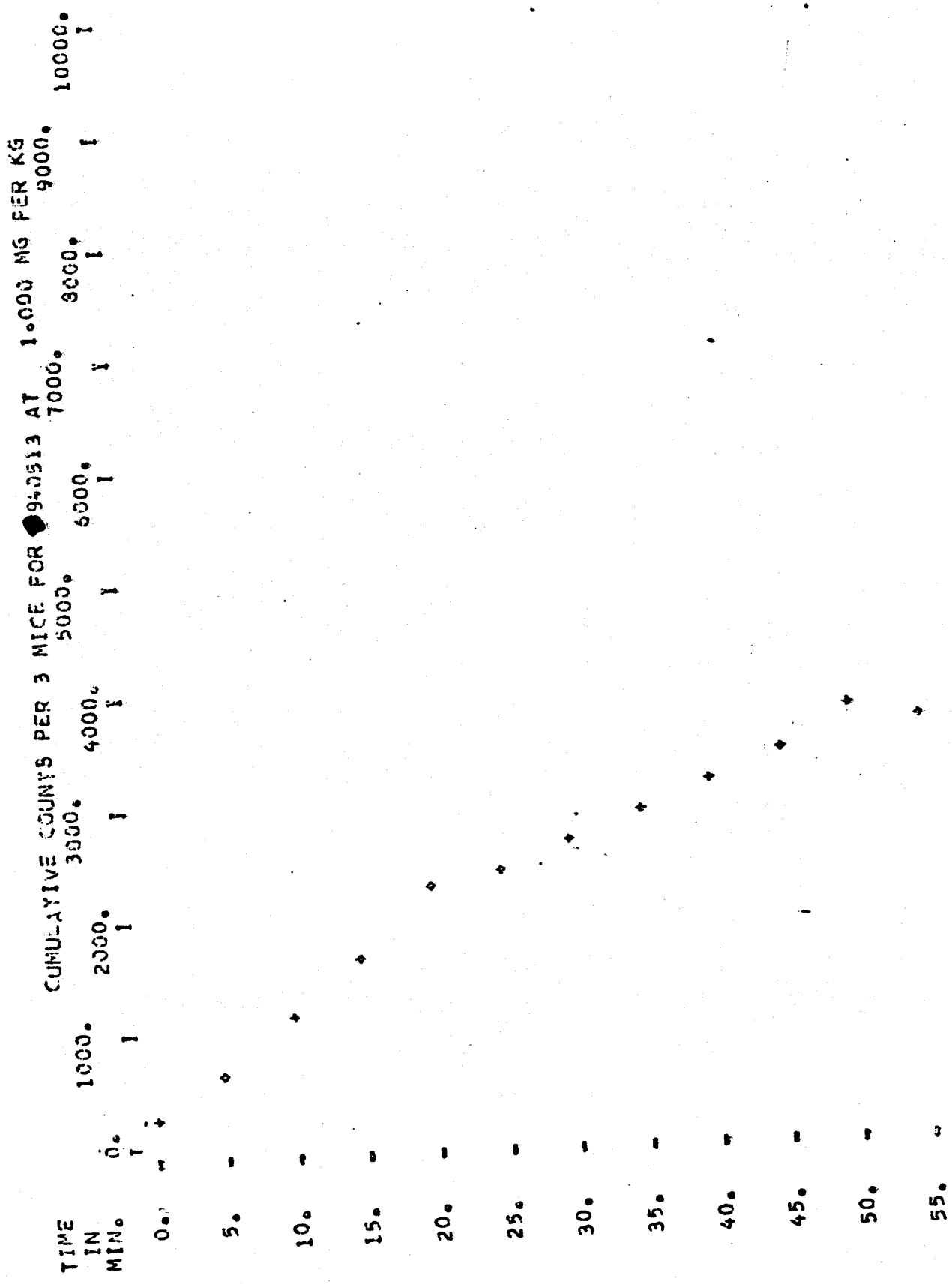
CUMULATIVE COUNTS PER 3 MICE FOR 940513 AT 10.000 MG PER KG



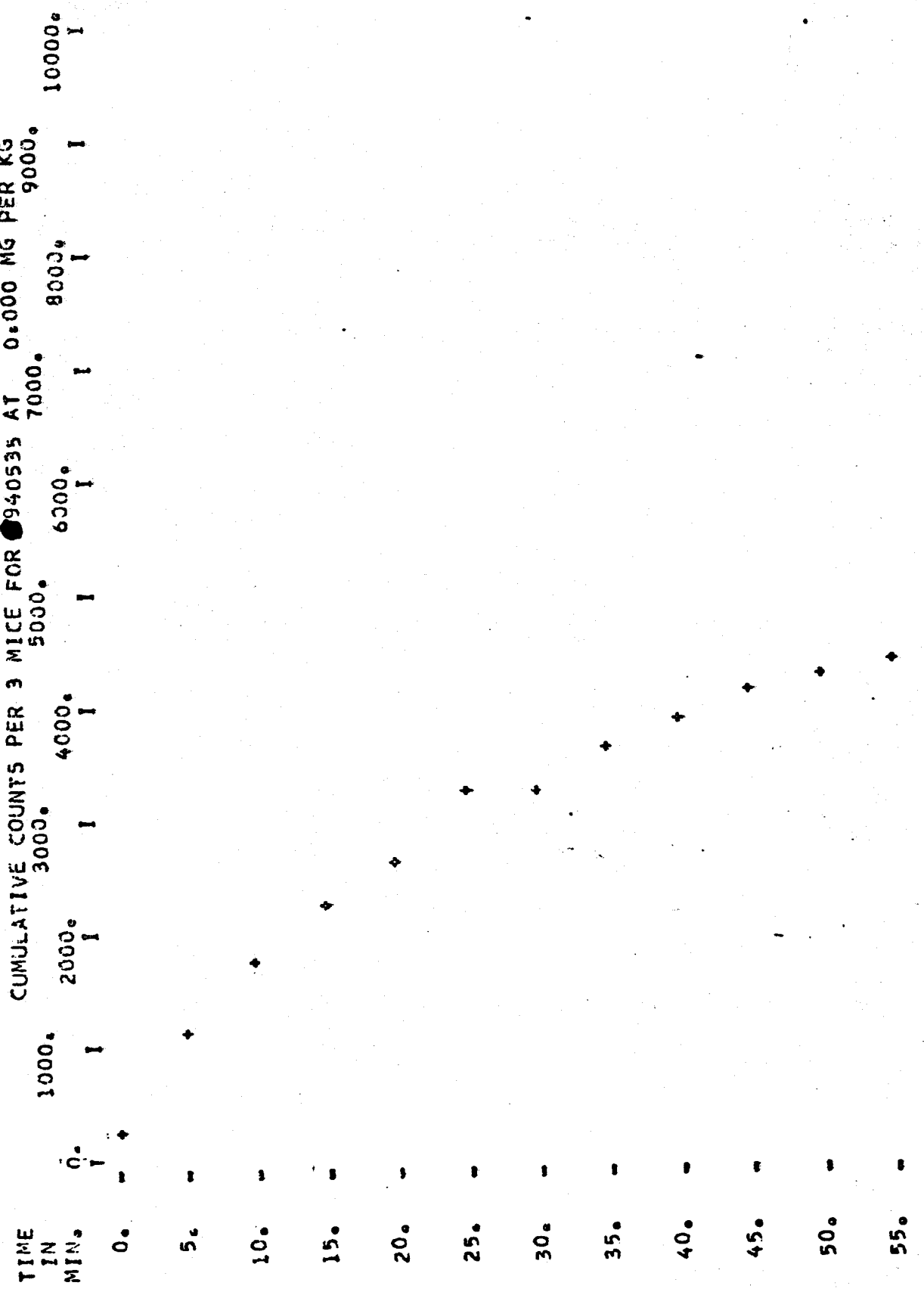
TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR 940513 AT 32,000 MG PER KG

| TIME IN MIN. | 0. | 1000. | 2000. | 3000. | 4000. | 5000. | 6000. | 7000. | 8000. | 9000. | 10000. |
|--------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0. | - | + | + | + | + | + | + | + | + | + | + |
| 5. | - | + | + | + | + | + | + | + | + | + | + |
| 10. | - | + | + | + | + | + | + | + | + | + | + |
| 15. | - | + | + | + | + | + | + | + | + | + | + |
| 20. | - | + | + | + | + | + | + | + | + | + | + |
| 25. | - | + | + | + | + | + | + | + | + | + | + |
| 30. | - | + | + | + | + | + | + | + | + | + | + |
| 35. | - | + | + | + | + | + | + | + | + | + | + |
| 40. | - | + | + | + | + | + | + | + | + | + | + |
| 45. | - | + | + | + | + | + | + | + | + | + | + |
| 50. | - | + | + | + | + | + | + | + | + | + | + |
| 55. | - | + | + | + | + | + | + | + | + | + | + |

250



CUMULATIVE COUNTS PER 3 MICE FOR 940535 AT 0.000 MG PER KG



851

252

CUMULATIVE COUNTS PER 3 MICE FOR 940535 AT 10.000 MG PER KG

10000.

9000.

8000.

7000.

6000.

5000.

4000.

3000.

2000.

1000.

0.

TIME
IN
MIN.

0.

5.

10.

15.

20.

25.

30.

35.

40.

45.

50.

55.

+

+

+

+

+

+

+

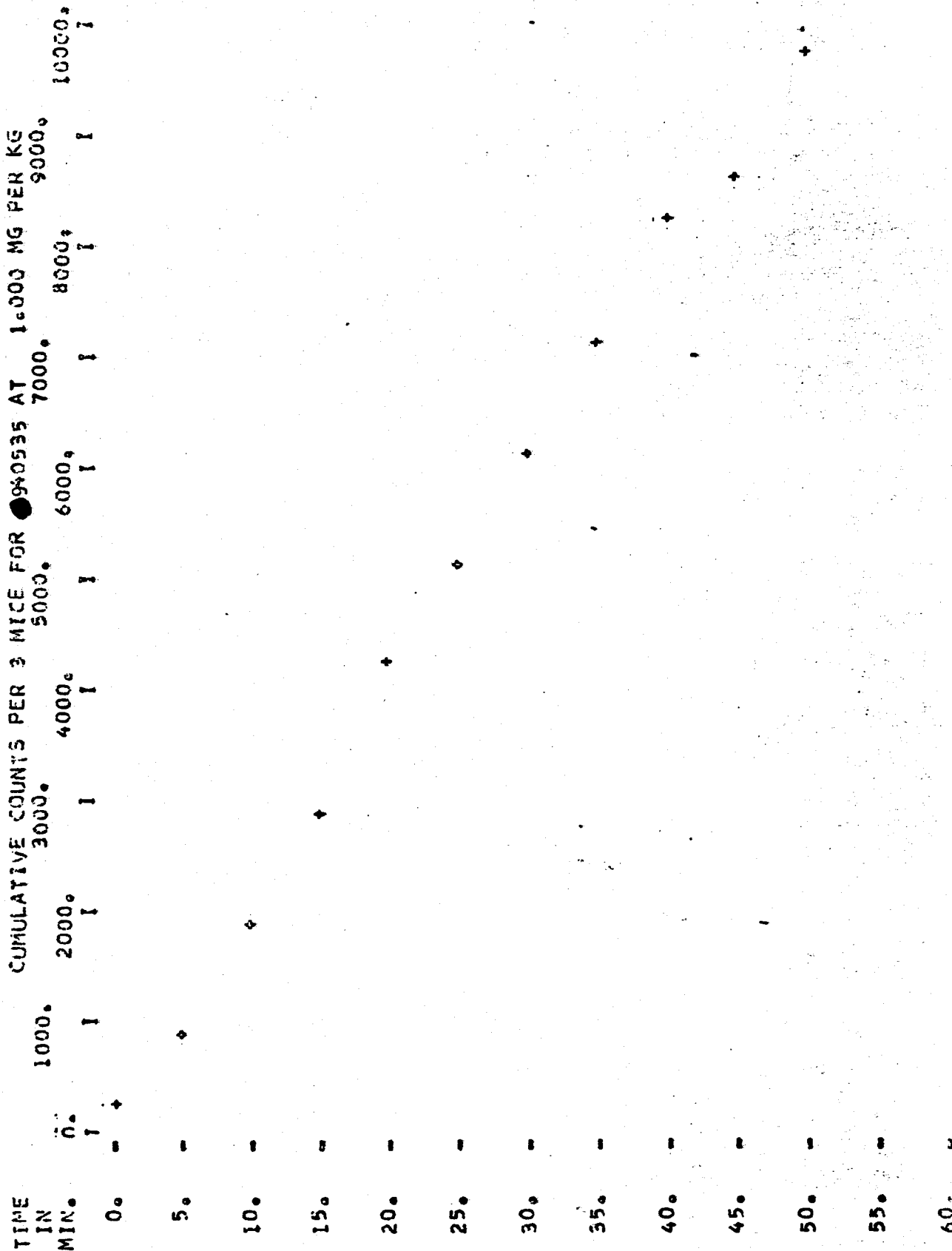
+

+

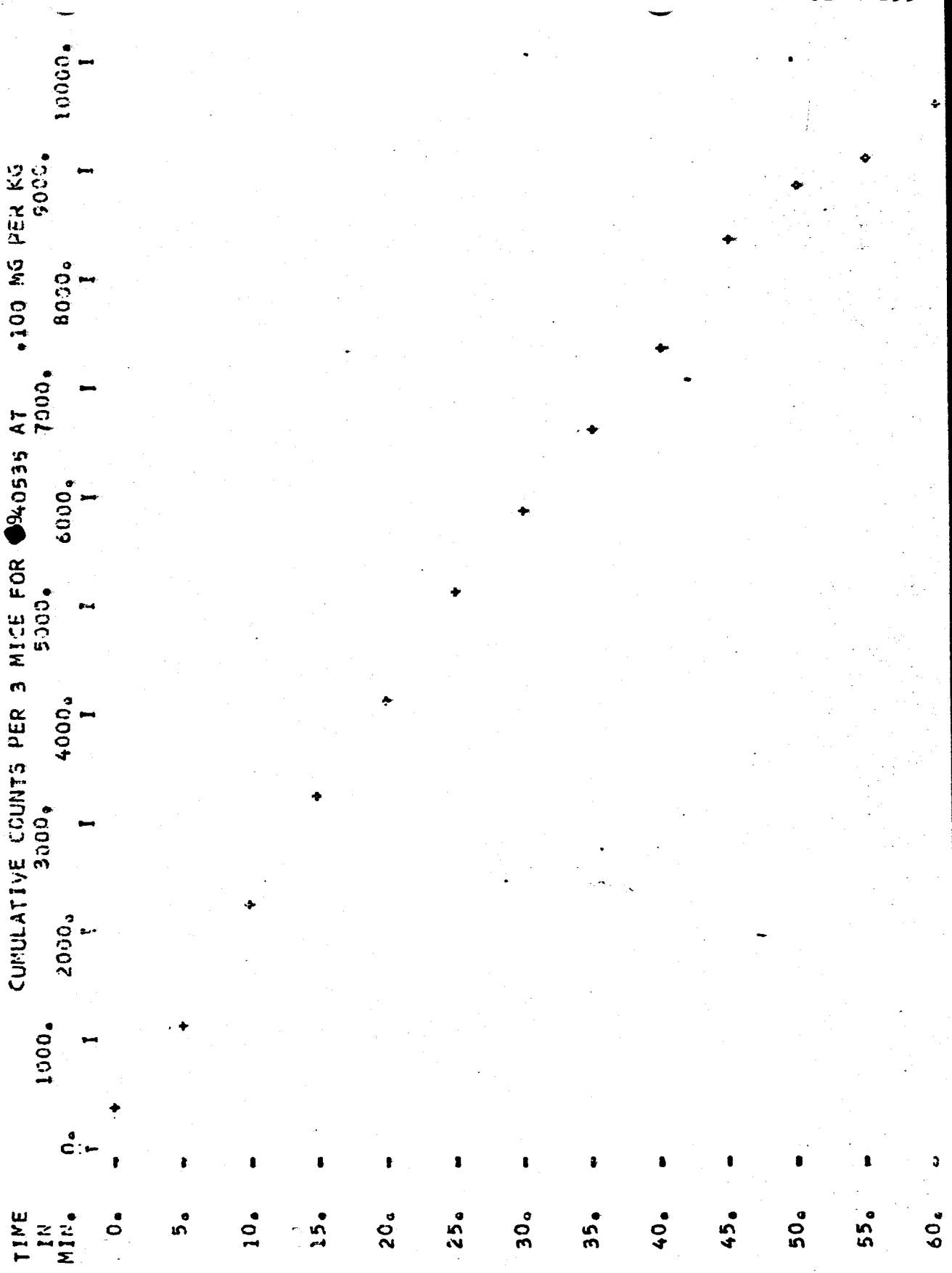
+

+

+

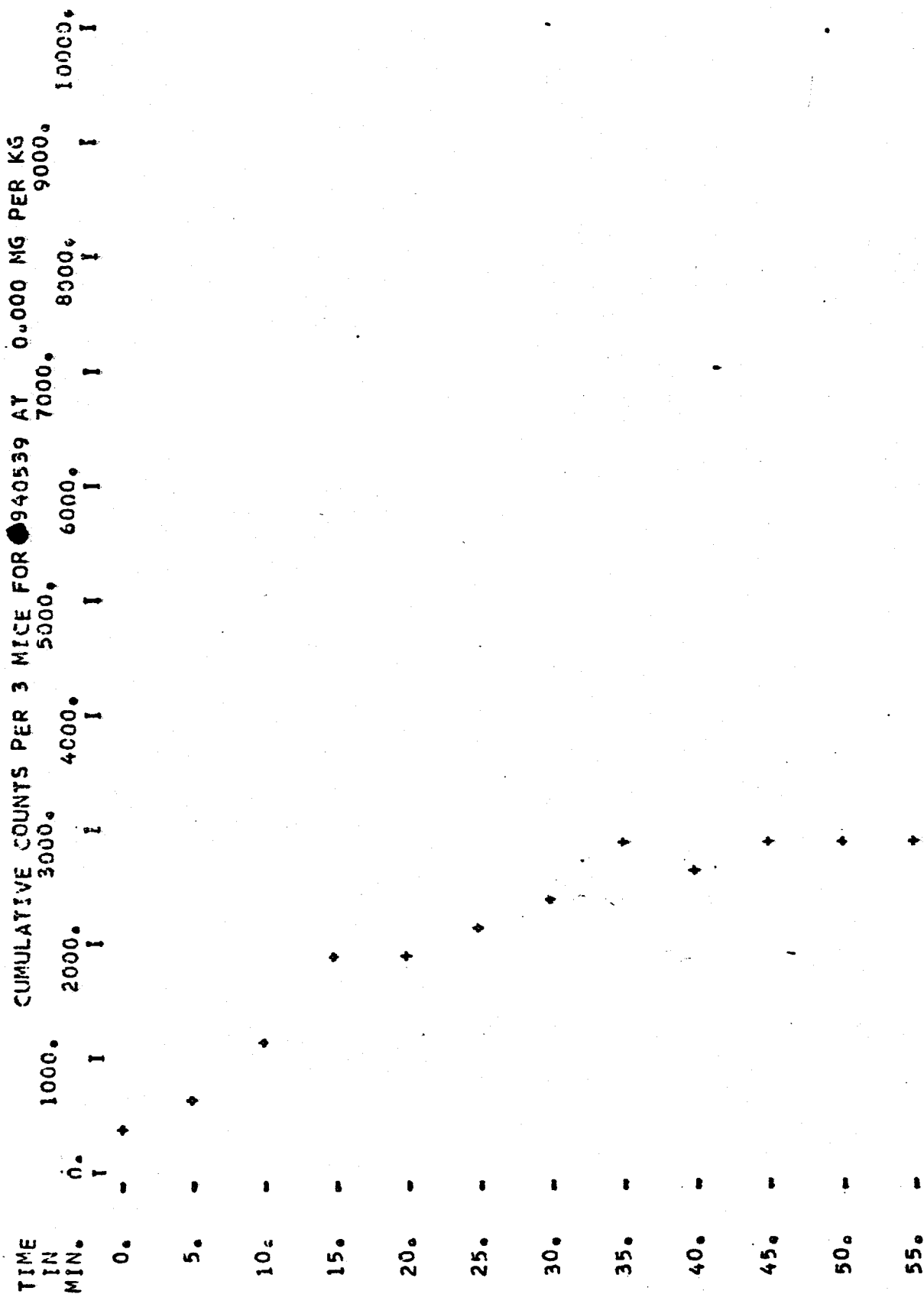


CUMULATIVE COUNTS PER 3 MICE FOR ●940535 AT ●100 MG PER KG



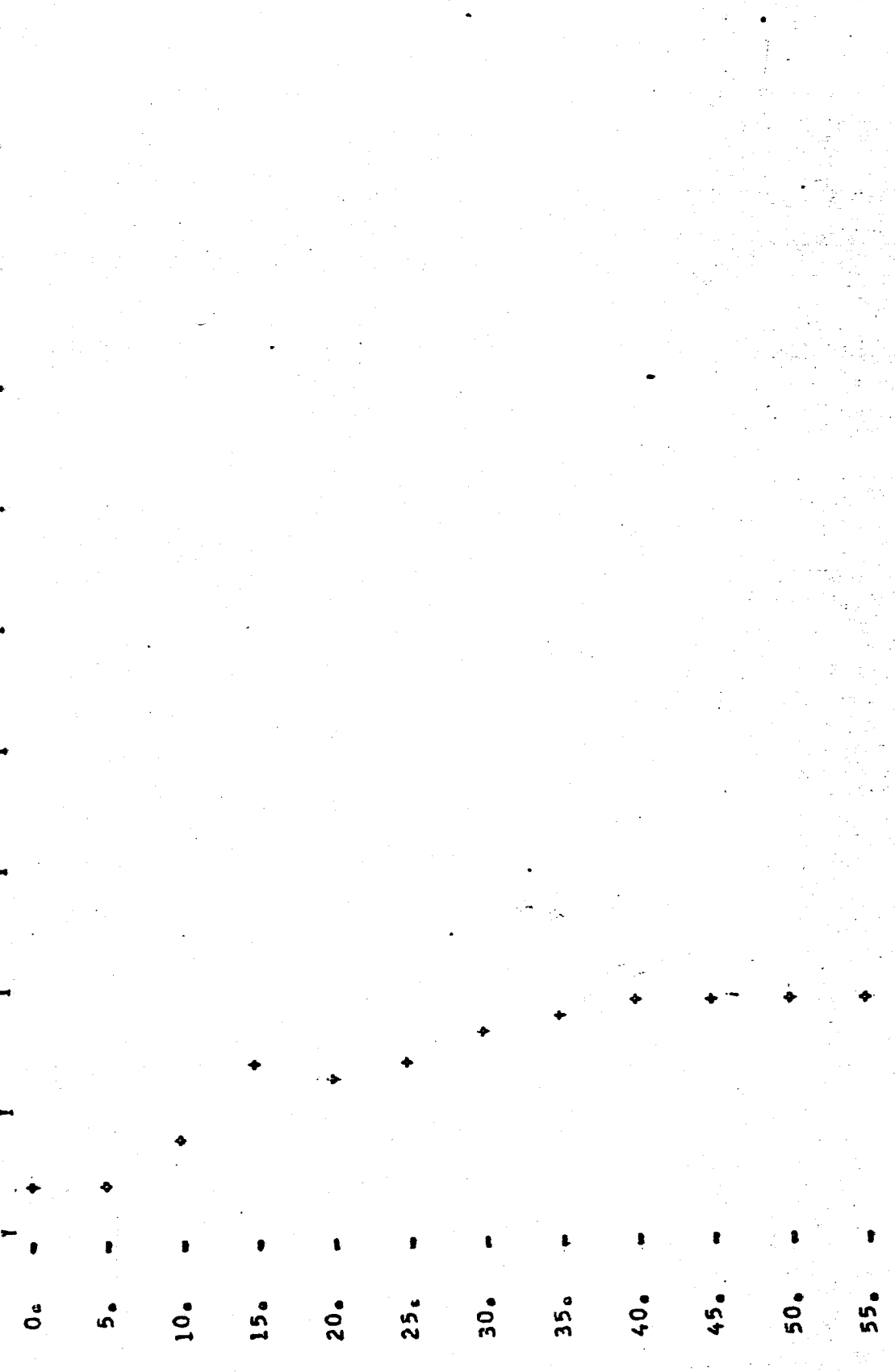
254

255

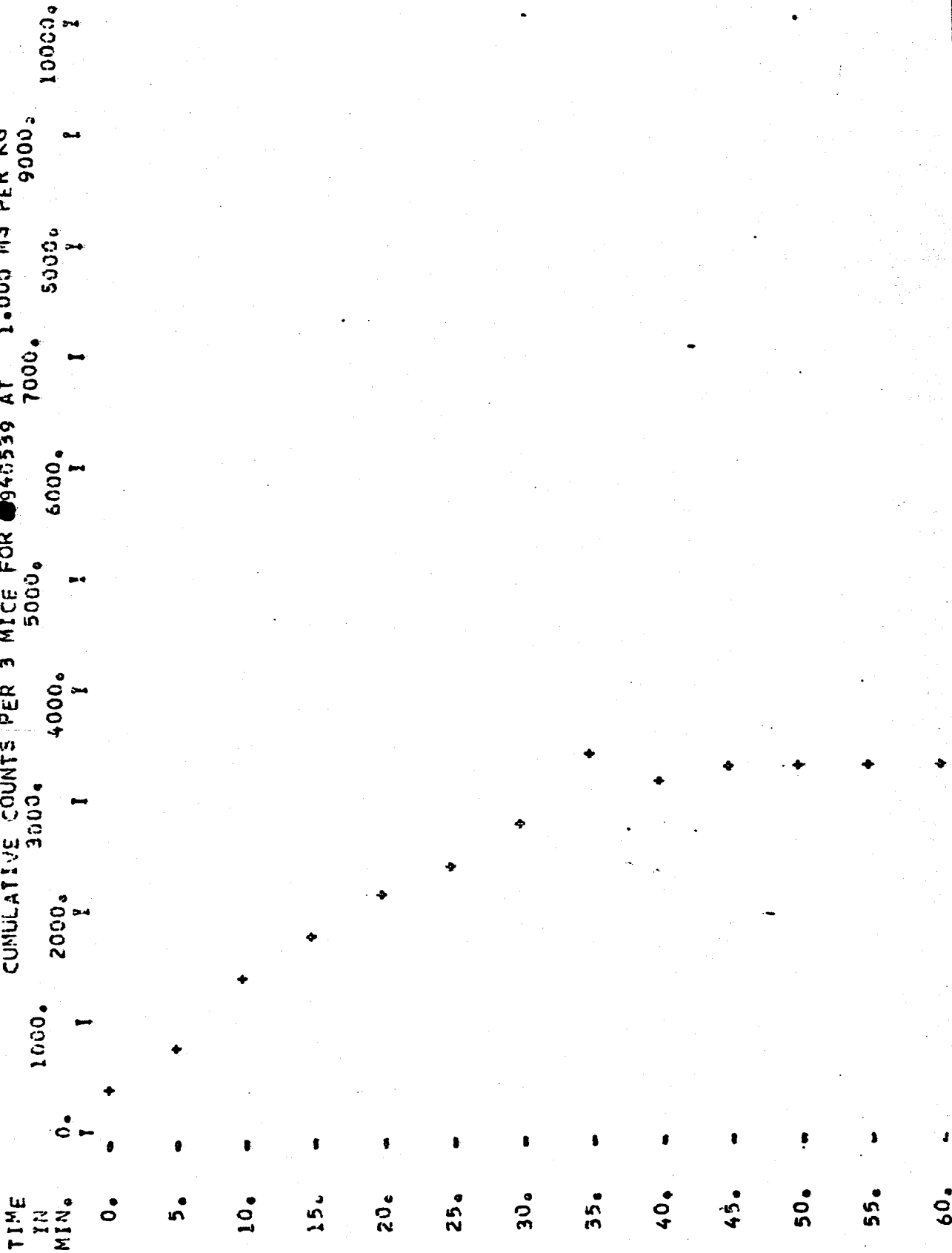


256

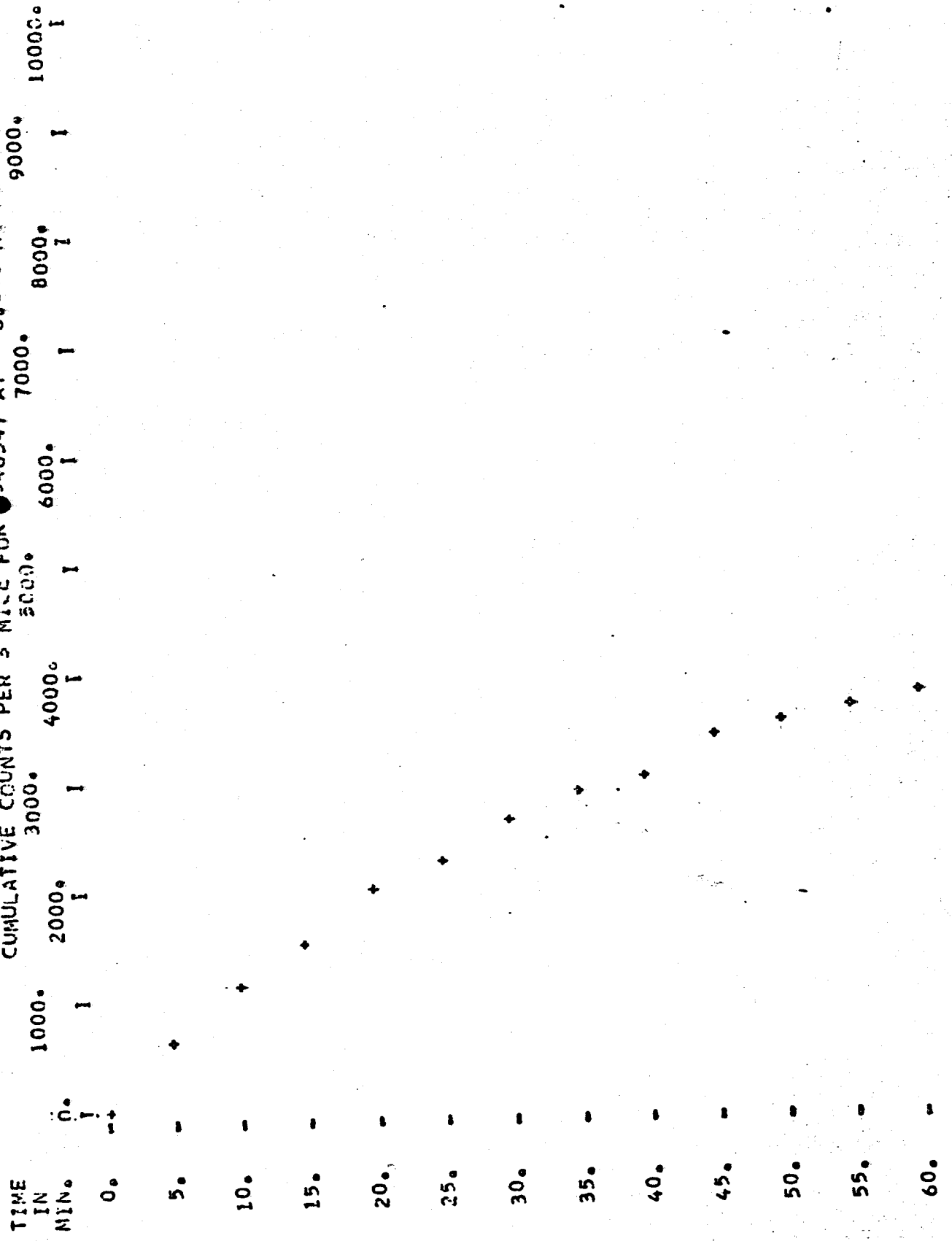
TIME IN MIN. CUMULATIVE COUNTS PER 3 MICE FOR 940539 AT 10.000 MG PER KG



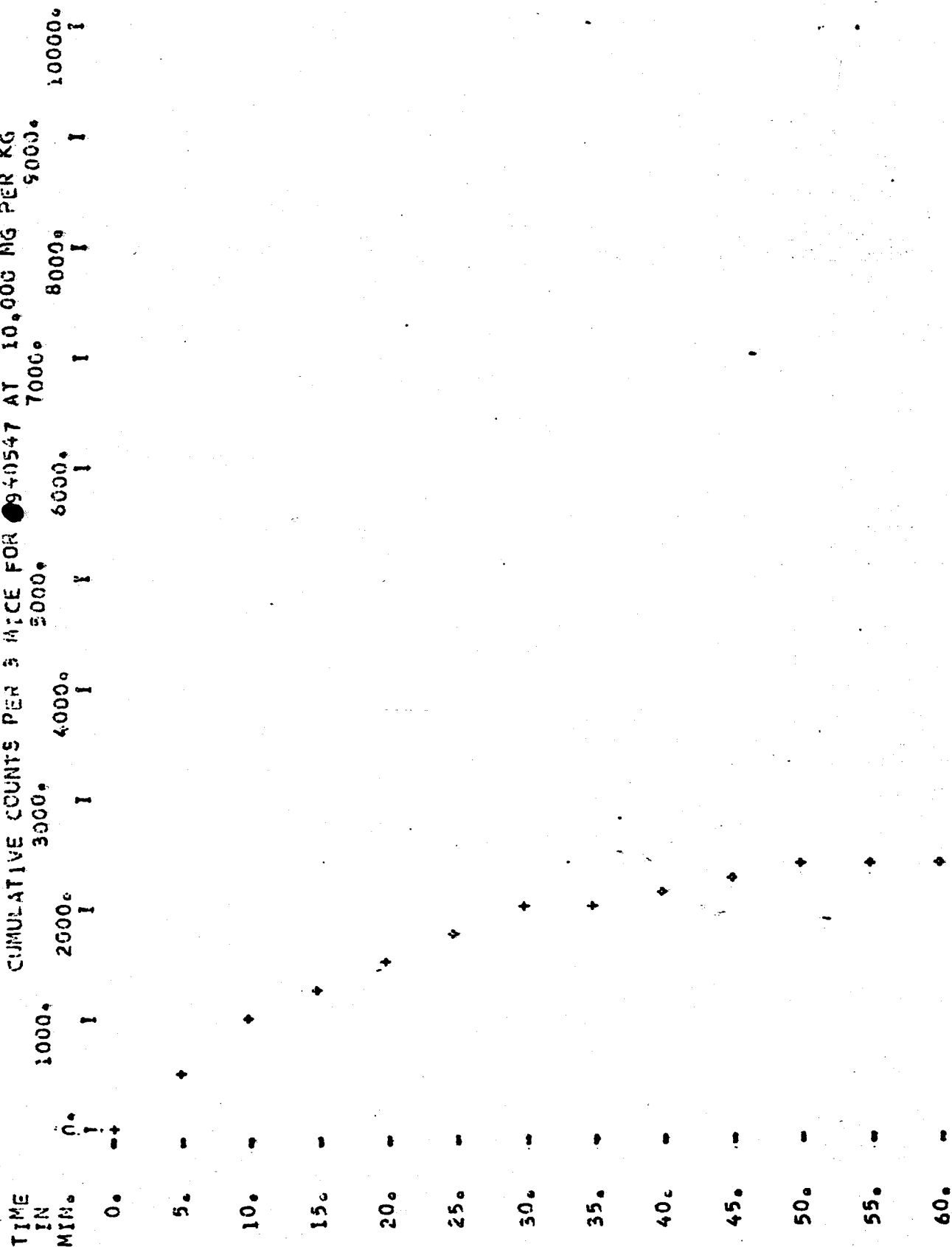
CUMULATIVE COUNTS PER 3 MICE FOR 940539 AT 1.000 MG PER KG



CUMULATIVE COUNTS PER 5 MICE FOR 940547 AT 0.000 MG PER KG

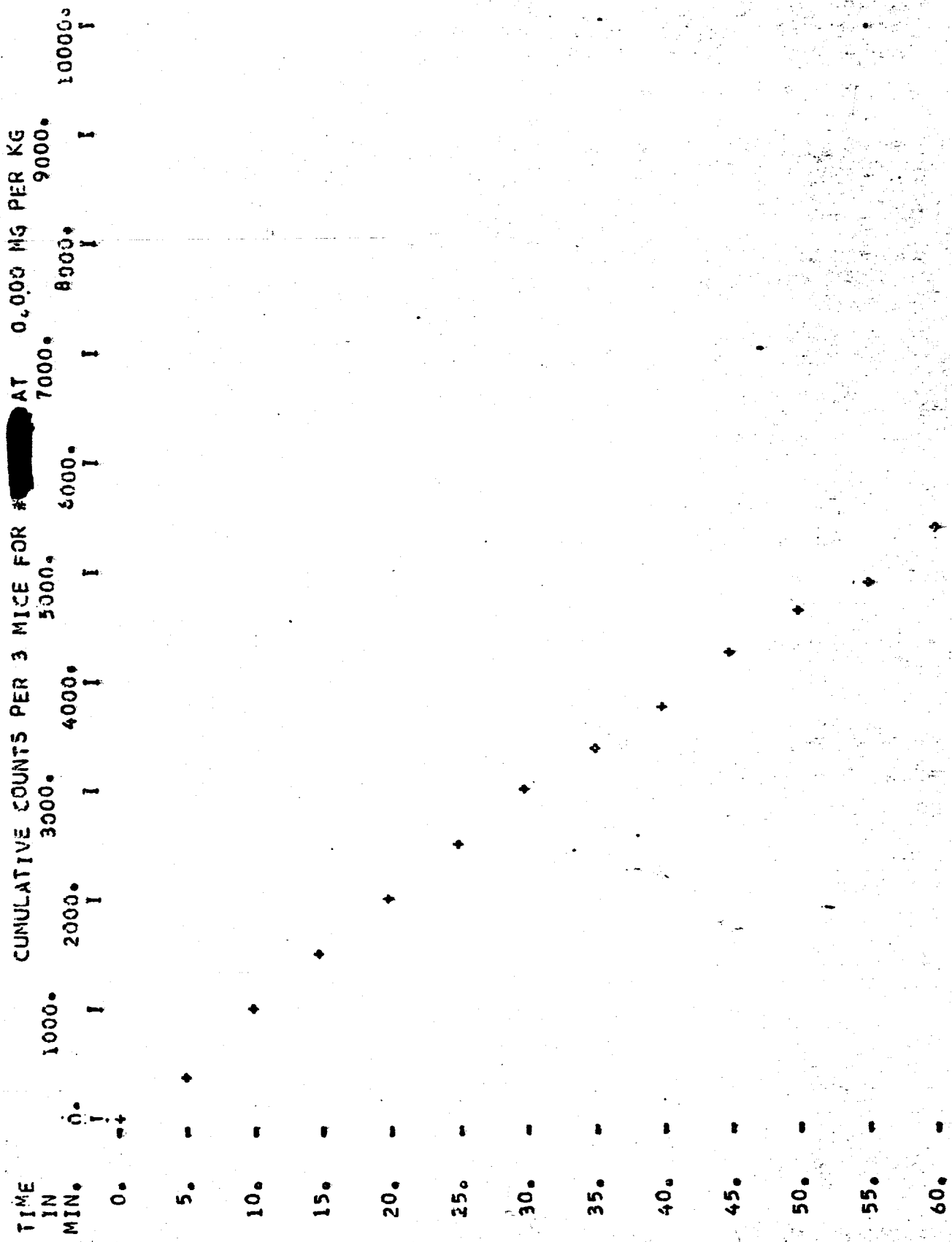


CUMULATIVE COUNTS PER 5 MICE FOR 940547 AT 10,000 NG PER KG



260

262

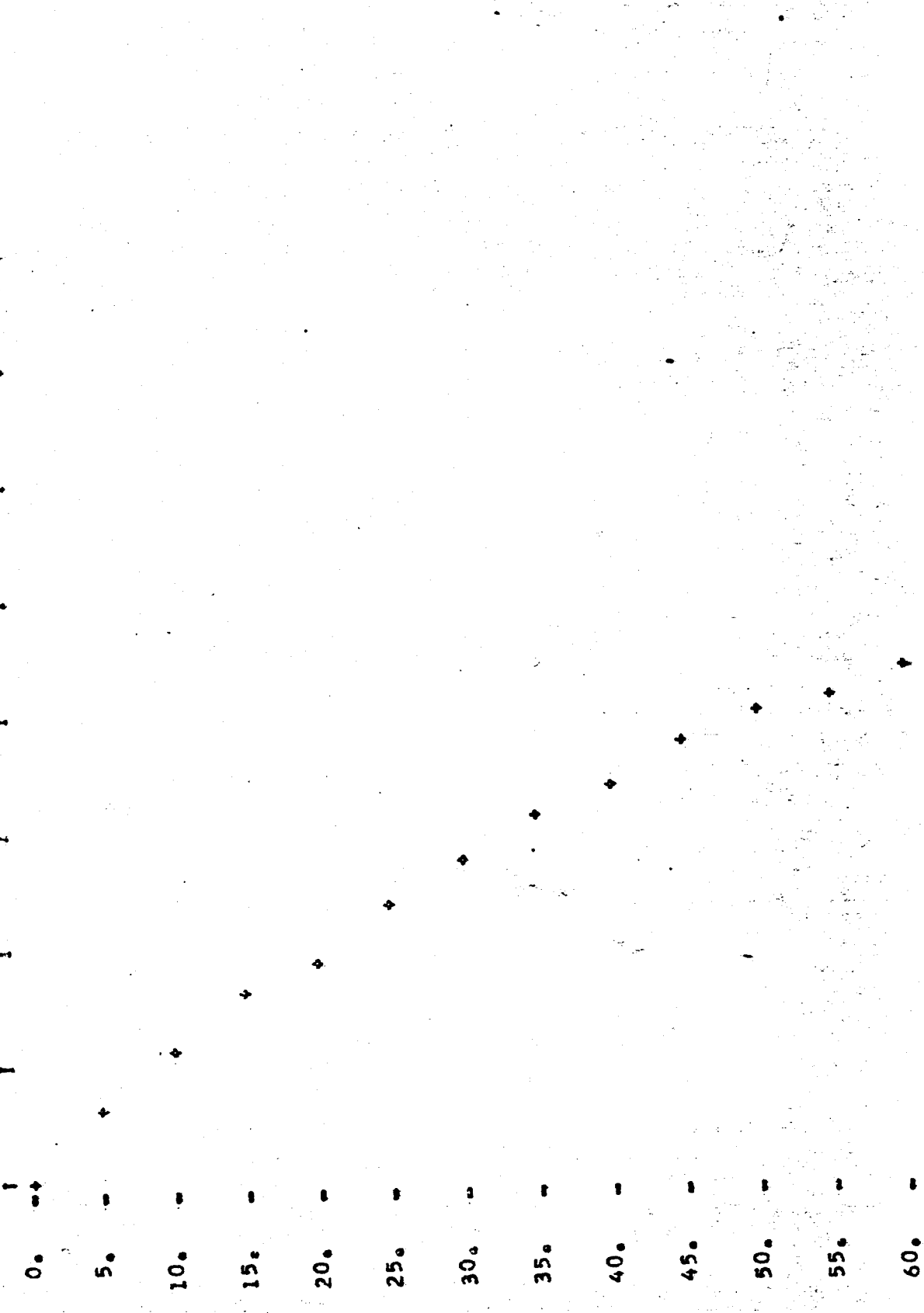


213

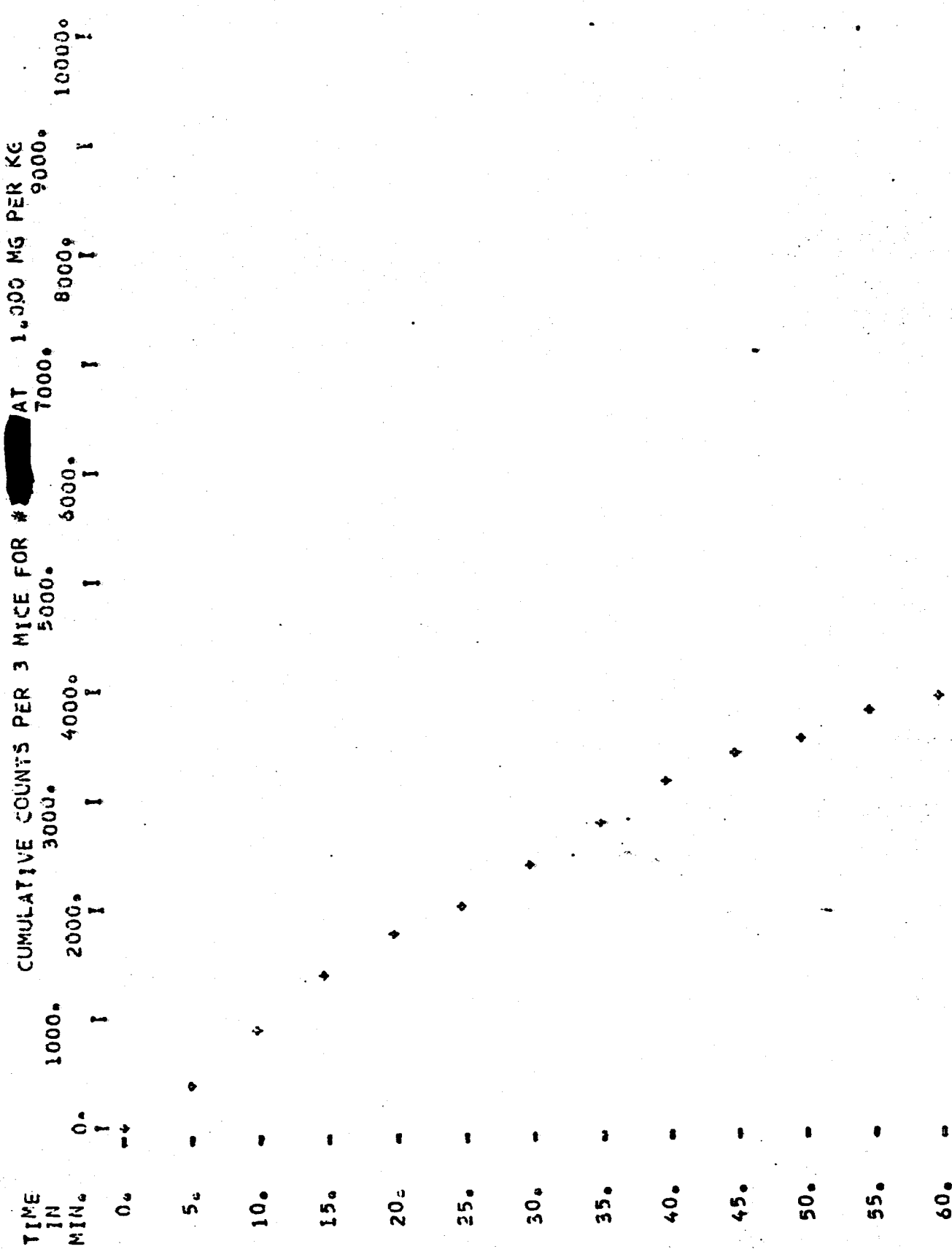
TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

CUMULATIVE COUNTS PER 3 MICE FOR [REDACTED] AT 3.200 MG PER KG

3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



CUMULATIVE COUNTS PER 3 MICE FOR # [REDACTED] AT 1.000 MG PER KG



TIME IN MIN. 0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60.

CUMULATIVE COUNTS PER 3 MICE FOR # [REDACTED] AT 0.032 MG PER KG

1000. 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000.



PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2263 (I-V)

OBSERVATIONS

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS |
|--------------------|---------------|------------|---------------|
| 64 F | 10.2 | 3.72 | 0.0 |

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6

CALM

BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
NOSE COOL AND MOIST
PRE-DOSE (SAME DAY)

HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.9

TONIC CONVULSION FOR 2 SECONDS
RESISTANCE TO NECK VENTROFLEXION WEAK
PERIODIC BRIEF HEAD-SHAKING

NOSE WARM AND DRY

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 140 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.8

BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2263 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 64 F | 10.2 | | 1.5 | HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 2.6 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2271 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 44 F | 29 | 2.66 | 0.0 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.7
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 39.2
NOSE WARM AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 0.7 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.8
NOSE WARM AND DRY
REDUCED ANAL TENSION
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2271 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 44 F | 29 | | 1.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 39.0
PUPILLARY REFLEX INCOMPLETE
PHOTOPHOBIA +
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.3 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 38.7
PUPILLARY REFLEX INCOMPLETE
PHOTOPHOBIA +
NICITATING MEMBRANE RELAXED ++
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2271 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 44 F | 29 | | 5.0 |

HEART RATE 126 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 108
 BODY TEMPERATURE C 39.1
 PUPILLARY REFLEX INCOMPLETE
 PHOTOPHOBIA +
 NICITATING MEMBRANE RELAXED ++
 NOSE WARM AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

21.1
 HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 72
 BODY TEMPERATURE C 38.0
 NOSE COOL AND MOIST
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2438B (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|------|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 64 F | | 3.92 | 0.0 |

HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3

CALM
FRIENDLY
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

FIRST DOSING

+21

0.0

MOTOR ACTIVITY DECREASED +

0.1

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66

0.2

BODY TEMPERATURE C 38.8
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66

0.7

BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2438B (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 64 F | +14 | | 0.9 | SECOND DOSING
SOME OF DOSE INJECTED SUBCUTANEOUS, INSTEAD OF IN VEIN |
| | | | 1.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 39.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL
SUBCUTANEOUS DOSE STILL PRESENT UNDER SKIN |
| | | | 1.4 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 39.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL
SUBCUTANEOUS DOSE STILL PRESENT UNDER SKIN |
| | | | 2.4 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 39.3
NOSE WARM AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL
SUBCUTANEOUS DOSE STILL PRESENT UNDER SKIN |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2438B (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

64 F

4.7

HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 39.3
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

27.4

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2615 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 28 | 2.1 | 0.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.4
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.5 | HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2615 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 28 | | 2.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.0
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 5.1 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.7
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 22.9 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2776 (I-V)

OBSERVATIONS

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS |
|--------------------|---------------|------------|---------------|
| 53 F | 9.2 | 2.84 | 0.0 |

HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.3
 NOSE COOL AND MOIST

CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)

ENURESIS
 EXCESS SALIVATION
 MEWING

0.02

RESPIRATIONS PER MINUTE 90
 EXCESS SALIVATION
 DEFECACTION
 MEWING

0.05

CALM

0.1

SOLUTION - 20 % "TWEEN-20"

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2776 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 53 F | 9.2 | | 0.2 | <p>PERIPHERAL SENSATION QUESTIONABLE - NO RESPONSE TO NEEDLE PRICKS
 DEEP SENSATION QUESTIONABLE
 EXTENSOR THRUST REFLEXES ABSENT, HIND LIMBS
 HOPPING REACTION ABSENT IN INJECTED FOOT
 GROWLING WHEN HANDLED
 LYING ON SIDE, BUT CAN STAND
 OTHER NEUROLOGICAL TESTS NORMAL</p> |
| | | | 0.3 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 138
 BODY TEMPERATURE C 38.5
 NOSE COOL AND MOIST
 REDUCED ANAL TENSION
 LYING ON SIDE, BUT CAN STAND
 PANTING
 GROWLING WHEN HANDLED
 NEUROLOGICAL EXAMINATION NOT DONE</p> |

SOLUTION - 20 % "TWEEN-20"

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2776 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 53 F | 9.2 | | 1.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 36.9
SCLERA - VASODILATION
EARS RED
NOSE COOL AND DRY
LYING ON SIDE, WITH HEAD UP
NEUROLOGICAL TESTS NORMAL |
| | | | 2.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 37.5
NOSE COOL AND DRY
SEDATED
CALM
BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
NEUROLOGICAL TESTS NORMAL |

SOLUTION - 20 % "TWEEN-20"

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2908 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 55 F | 12.5 | 2.2 | 0.0 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.5
 NOSE COOL AND MOIST
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.3 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 NOSE WARM AND DRY
 DEFECATION WITH CLEAR MUCUS
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |
| | | | 0.7 | <p>HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 38.5
 NOSE WARM AND DRY
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |

SOLUTION - HYDROCHLORIC ACID 0.1 N, QS WITH DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2808 (I-V)

OBSERVATIONS

| AT NO. | DOSE | WT. | TIME | ND SEX | MG/KG | KG. | HOURS | OBSERVATIONS |
|--------|------|-----|------|--------|-------|-----|-------|--|
| 55 F | 12.5 | | 1.4 | | | | | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.4 | | | | | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 22
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 4.0 | | | | | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 37.9
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 26.6 | | | | | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 37.9
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SOLUTION - HYDROCHLORIC ACID 0.1 N, OS WITH DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2844 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 53 F | 8.8 | 2.06 | 0.0 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.8
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 NOSE COOL AND MOIST
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 78
 BODY TEMPERATURE C 38.8
 NOSE WARM AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |
| | | | 0.6 | <p>HEART RATE 132 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.2
 NOSE WARM AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2844 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 8.8 | | 1.1 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.5
NOSE WARM AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.4 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 39.2
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 4.3 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 39.2
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 25.3 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 33
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2850 (I-V)

OBSERVATIONS

| CAT NO: | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 39 F | 5.3 | 3.4 | 0.0 |

HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.3

CALM

NOSE COOL AND MOIST

NEUROLOGICAL TESTS NORMAL

BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
PRE-DOSE (SAME DAY)

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.8

0.2

NOSE WARM AND DRY

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.7

0.5

NOSE WARM AND DRY

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2850 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 39 F | 6.3 | | 0.9 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.6
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.5 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.0
MARKED MIOSIS IN STRONG LIGHT
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 4.2 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.5
MARKED MIOSIS IN STRONG LIGHT
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2850 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 39 F | 6.3 | | 5.5 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 39
BODY TEMPERATURE C 39.5
PUPILS NORMAL IN SIZE AND REACTION
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 25.5 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.0
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2851 (I-V)

OBSERVATIONS

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS |
|--------------------|---------------|------------|---------------|
| 66 F | 16 | 1.88 | 0.0 |

HEART RATE 152 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 39.4
NOSE COOL AND MOIST
CALM

ACTIVE ♦
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.5
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 39.3
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SOLUTION - HYDROCHLORIC ACID 0.1 N, Q5 WITH DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2851 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 66 F | 16 | | 0.9 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.5
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 39.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.3 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 5.5 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 27 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2881 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 44 F | 28 | 2.82 | 0.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.0
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.0 | AT END OF DOSING
PUPILS DILATED +
EMESIS
EXTENSION OF HIND LIMBS
EXTENSION OF FRONT LIMBS |
| | | | 0.03 | NEUROLOGICAL TESTS NORMAL
KNEE JERK NOT TESTED |
| | | | 0.1 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.7
REDUCED ANAL TENSION
PHYSICAL SIGNS OTHERWISE NORMAL
NEUROLOGICAL EXAMINATION NOT DONE |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2881 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 44 F | 28 | | 0.5 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 36.7
NOSE COOL AND MOIST
REDUCED ANAL TENSION
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 1.2 | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 108
BODY TEMPERATURE C 39.4
NOSE WARM AND MOIST
REDUCED ANAL TENSION
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.2 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 120
BODY TEMPERATURE C 39.2
NOSE WARM AND MOIST
REDUCED ANAL TENSION
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2881 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |

44 F 28

3.3

HEART RATE 126 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 84
 BODY TEMPERATURE C 39.0
 PHOTOPHOBIA +
 NOSE WARM AND MOIST
 REDUCED ANAL TENSION
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL
 KNEE JERK NOT TESTED

4.8

HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 78
 BODY TEMPERATURE C 38.3
 REDUCED ANAL TENSION
 NOSE COOL AND MOIST
 BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
 NEUROLOGICAL TESTS NORMAL
 KNEE JERK NOT TESTED

25

HEART RATE 138 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 84
 BODY TEMPERATURE C 37.9
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 KNEE JERK NOT TESTED

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

28970 #2 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 32 M | 18 | 3.7 | 0.0 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.5
ACTIVE *
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 0.5 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.0 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

2897, #2 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 32 M | 18 | | 2.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.5
EMESIS
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.8 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 108
BODY TEMPERATURE C 38.0
NASAL CONGESTION
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 5.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 37.9
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL |
| | | | 28.4 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 38.4
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5034 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 39 F | 1.0 | 3.1 | 0.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.2
NEUROLOGICAL TESTS NORMAL
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.4
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.3 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.4
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.8 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5034 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 39 F | 1.0 | | 1.8 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 19.8 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.0
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5036 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 32 M | 16 | 3.6 | 0.0 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 84
 BODY TEMPERATURE C 38.2
 MUSCULATURE MEMBRANE RELAXED +
 MOUSE COOL AND MOIST
 CALM
 ACTIVE +
 FRIENDLY
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.0 | <p>AT END OF DOSING
 CLONIC CONVULSION FOR 10 SECONDS
 PROSTRATE - COULD NOT STAND
 MUSCULATURE MEMBRANE RELAXED ++
 PUPIL DIAMETER NORMAL</p> |
| | | | 0.01 | <p>PROSTRATE - COULD NOT STAND
 EYES FOLLOW SIGHTED OBJECT
 CONVULSIONS HAVE ENDED</p> |
| | | | 0.03 | <p>NOSE WARM AND DRY
 TREMORS, HIND LEGS
 OTHER TESTS NOT DONE AT THIS TIME.</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5036 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 32 M | 16. | | 0.1 |

HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.3
 NICTITATING MEMBRANE RELAXED ++
 NOSE WARM AND DRY
 CALM
 SEDATED
 NEUROLOGICAL TESTS NORMAL
 BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL

0.5
 HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 38
 BODY TEMPERATURE C 38.2
 NICTITATING MEMBRANE RELAXED +++
 NOSE WARM AND DRY
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

1.2
 HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 24
 BODY TEMPERATURE C 38.0
 NICTITATING MEMBRANE RELAXED +++
 NOSE WARM AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5036 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 32 M | 16. | | 2.2 |

HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 72
 BODY TEMPERATURE C 37.8
 NICTITATING MEMBRANE RELAXED +++
 NOSE WARM AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 38.0
 NICTITATING MEMBRANE RELAXED +++
 NOSE WARM AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 78
 BODY TEMPERATURE C 38.4
 NICTITATING MEMBRANE NORMAL
 NOSE COOL AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5049 (I-V)

OBSERVATIONS

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS |
|--------------------|---------------|------------|---------------|
| 64 F | 14 | 3.85 | 0.0 |

HEART RATE 102 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.1

CALM

BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.1
BREATHING DEEP AND LABORED +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 40.2
BREATHING DEEP AND LABORED +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5049 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 64 F | 14 | | 2.1 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.5
BREATHING DEEP AND LABORED +
HEARTBEAT WEAK
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.2 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 56
BODY TEMPERATURE C 39.0
BREATHING DEEP AND LABORED +
BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
NEUROLOGICAL TESTS NORMAL |
| | | | 4.8 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.7
BREATHING DEEP AND LABORED +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 25 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.8
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL |

SUSPENSION + METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

104, #2 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

39 F 18 3.06 0.0
HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3

CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

0.2
HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 24
BODY TEMPERATURE C 38.2

NOSE COOL AND MOIST
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

0.5
HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 24
BODY TEMPERATURE C 38.0

NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

1.0
HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.0

NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5104, #2 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 39 F | 18 | | 2.0 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.1
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.8 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.2
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 5.5 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 37.9
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 28.3 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.0
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5104, #2 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 66 F | 16.2 | 1.77 | 0.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 39.2
ACTIVE +
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 39.0
NOSE COOL AND MOIST
SEDATED
CALM
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 0.6 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 39.2
NOSE COOL AND DRY
SEDATED
CALM
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5104, #2 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 66 F | 16.2 | | 1.1 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 39.8
NOSE COOL AND DRY
CALM
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.4
NOSE COOL AND MOIST
SEDATED
CALM
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.8 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.7
PHOTOPHOBIA +
ACTIVE +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5104, #2 (I-V)

OBSERVATIONS

| CAT NO. | DOSE | WT. | TIME |
|---------|-------|-----|-------|
| AND SEX | MG/KG | KG. | HOURS |
| 66 F | 16.2 | | 5.3 |
| | | | 22.7 |

HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 38.9
 PHOTOPHOBIA +
 ACTIVE +

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 BODY TEMPERATURE C 39.4
 ACTIVE +

NO PHOTOPHOBIA

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113, #1 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 34 | 2.00 | 0.0 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 24
BODY TEMPERATURE C 38.0
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.5
NOSE WARM AND DRY
PERIPHERAL SENSATION NOT TESTED
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 0.5 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.5
NOSE WARM AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113, #1 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 55 F | 34 | | 1.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 39.0
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.2
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.5 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.4
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113, #1 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

55 F

34

5.0

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
NOSE WARM AND DRY

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

24.2

HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.1

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

SUSPENSION + METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113. #2 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

55 F 29.1 2.06 0.0

HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.3
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

0.2

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.4
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

0.6

HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.2
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

1.1

HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.4
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113, #2 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 55 F | 29.1 | | 2.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.4
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.8 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 37.9
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 5.3 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.1
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 22.7 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.5
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113, #2 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

64 F

17 3.44

0.0

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.4

CALM

BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

0.2

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.9

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

0.5

HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 80
BODY TEMPERATURE C 39.0

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

0.9

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.8

PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5113, #2 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 64 F | 17 | | 2.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 39.0
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 3.5 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 5.0 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 39.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 24.2 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5124 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 39 F | 18 | 3.25 | 0.0 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 36
 BODY TEMPERATURE C 38.0
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.0 | <p>AT END OF DOSING
 EXCESS SALIVATION
 FLEXOR REFLEX ABSENT, ONE HIND FOOT
 EXTENSOR THRUST REFLEXES ABSENT, HIND LIMBS
 KNEE JERK NOT TESTED
 HIND LEGS MOVE WITH DIFFICULTY
 OTHER NEUROLOGICAL TESTS NORMAL
 OTHER TESTS NOT DONE AT THIS TIME</p> |
| | | | 0.03 | <p>PUPIL DIAMETER NORMAL
 EMESIS
 EXCESS SALIVATION</p> |
| | | | | <p>SUSPENSION - METHYLCELLULOSE 0.5%</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5124 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 39 F | 18 | | 0.4 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 BODY TEMPERATURE C 37.8
 NOSE COOL AND MOIST
 EXCESS SALIVATION
 LOW GROWLING
 SEDATED
 FLEXOR REFLEX ABSENT, ONE HIND FOOT
 EXTENSOR THRUST REFLEX WEAK
 OTHER NEUROLOGICAL TESTS NORMAL
 BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL</p> |
| | | | 1.0 | <p>HEART RATE 150 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 48
 BODY TEMPERATURE C 37.8
 NOSE WARM AND DRY
 BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
 NEUROLOGICAL TESTS NORMAL</p> |
| | | | 2.3 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 30
 BODY TEMPERATURE C 37.9
 NOSE COOL AND MOIST
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |
| | | | | <p>SUSPENSION 7 METHYLCELLULOSE 0.5%</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5124 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|-----------------------------------|---------------|------------|---------------|---|
| 39 F | 18 | | 5.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 21.2 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 37.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| SUSPENSION - METHYLCELLULOSE 0.5% | | | | |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5129 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

39 F 4.0 3.45 0.0
HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 32
BODY TEMPERATURE C 37.9
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

0.2
HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.2
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

0.7
HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.3
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5129 (I-V)

OBSERVATIONS

CAT NO. WT. TIME
AND SEX MG/KG KG. HOURS

| | | | |
|------|-----|------|--|
| 39 F | 4.0 | 1.4 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.4
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | 2.7 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | 4.7 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | 27.4 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 37.9
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5211 (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 32 M | 18 | 4.00 | 0.0 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 90
 BODY TEMPERATURE C 38.9
 ACTIVE +
 CALM
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.2 | <p>HEART RATE 162 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.5
 MOTOR ACTIVITY DECREASED +
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |
| | | | 0.7 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 42
 BODY TEMPERATURE C 38.5
 ACTIVE +
 CALM
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL</p> |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

5211 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 32 M | 18 | | 1.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 2.4 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.3 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 25.3 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-3 (I-V)

OBSERVATIONS

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS |
|--------------------|---------------|------------|---------------|
|--------------------|---------------|------------|---------------|

| | | | |
|------|-----|-----|-----|
| 52 F | 5.6 | 2.3 | 0.0 |
|------|-----|-----|-----|

HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 37.8
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

| | | | |
|--|--|--|-----|
| | | | 0.1 |
|--|--|--|-----|

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.4
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL

| | | | |
|--|--|--|-----|
| | | | 0.5 |
|--|--|--|-----|

HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 39
BODY TEMPERATURE C 38.5
PHOTOPHOBIA +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-3 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 52 F | 5.6 | | 1.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
NOSE COOL AND DRY
NO PHOTOPHOBIA
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.4
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.5 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-3 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME
AND SEX MG/KG KG. HOURS

52 F

5.6

5.1

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.1
NOSE COOL AND MOIST
PHOTOPHOBIA +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

24.9

HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 37.7
PHOTOPHOBIA +
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-21 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 18 | 2.14 | 0.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 27
BODY TEMPERATURE C 38.0
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.7
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.6 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-21 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 18 | | 2.0 | HEART RATE 126 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 3.5 | HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 37.9
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.9 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 21.9 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-31 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| | | | | |
| 64 F | 18 | 3.8 | 0.0 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 27
BODY TEMPERATURE C 38.5
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 42
BODY TEMPERATURE C 39.0
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 50
BODY TEMPERATURE C 38.7
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-31 (I-V)

OBSERVATIONS

CAT NO. DOSE WT. TIME AND SEX MG/KG KG. HOURS

64 F 18 2.0 HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 39.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

3.4 HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 70
BODY TEMPERATURE C 38.9
BREATHING DEEP AND LABORED +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

4.9 HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 39.0
BREATHING DEEP AND LABORED +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

21.9 HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-63 (I-V)

OBSERVATIONS

CAT NO. WT. TIME
AND SEX MG/KG KG. HOURS

39 F 5.6 3.15 0.0

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 40
BODY TEMPERATURE C 38.3
NOSE COOL AND MOIST
CALM

BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

0.3

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.6
HEARTBEAT WEAK
NOSE WARM AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

1.0

HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.3
NOSE WARM AND DRY
HEARTBEAT WEAK
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL.

SUSPENSION + METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-63 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | W.T.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|-------------|---------------|--|
| 39 F | 5.6 | | 2.3 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.5
NOSE WARM AND DRY
HEARTBEAT WEAK
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 4.8 | RESPIRATIONS PER MINUTE 80
BODY TEMPERATURE C 38.4
HEARTBEAT WEAK
NOSE COOL AND DRY
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 27 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 37.8
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-85 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 52 F | 18 | 2.3 | 0.0 | <p>HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL.
PRE-DOSE (SAME DAY)</p> |
| | | | 0.0 | <p>AT END OF DOSING
OPISTHOTONOS
CLONIC CONVULSION
ENURESIS
OTHER TESTS NOT DONE AT THIS TIME</p> |
| | | | 0.03 | <p>PROSTRATE - COULD NOT STAND
BREATHING DEEP AND LABORED ++
OTHER TESTS NOT DONE AT THIS TIME</p> |
| | | | | <p>SUSPENSION - METHYLCELLULOSE 0.5%</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-85 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 52 F | 18 | | 0.2 | <p>RESPIRATIONS PER MINUTE 96
 PROSTRATE - COULD NOT STAND
 PUPILS DILATED ++
 PUPILLARY REFLEX INCOMPLETE
 FLEXOR REFLEXES ABSENT
 GUMS PALE
 TWITCHING OF UPPER LIP
 OTHER TESTS NOT DONE AT THIS TIME</p> |
| | | | 0.4 | <p>CAT DEAD BY (AT) THIS TIME</p> |
| | | | | <p>SUSPENSION - METHYLCELLULOSE 0.5%</p> |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-85 (I-V)

OBSERVATIONS

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS |
|--------------------|---------------|------------|---------------|
| 66 F | 3.0 | 1.83 | 0.0 |

HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 39.1

ACTIVE +
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY)

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.2
MOTOR ACTIVITY DECREASED +
SUPPORTING REACTION WEAK +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL

HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 39.4

CALM

ACTIVE +
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-85 (I-V)

| CAT NO. | DOSE | W.T. | TIME | OBSERVATIONS |
|---------|-------|------|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 66 F | 3.0 | | 1.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 40.7
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 3.1 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 39.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 4.7 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.9
ACTIVE +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 21.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 38.8
ACTIVE +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-87 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 5.6 | 2.1 | 0.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.5
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.7 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 39.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9346-87 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 5.6 | | 3.1 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 33
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 5.0 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 28
BODY TEMPERATURE C 37.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 21.1 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 32
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-13 (I-M & SUB-CUT)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 44 F | 4.8 | 2.70 | 0.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.8
NOSE COOL AND MOIST
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 39.2
NOSE WARM AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 0.8 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.8
NOSE COOL AND MOIST
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 2.1 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.0
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |

SUSPENSION - METHYLCELLULOSE 0.5%

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-13 (I-M & SUB-CUT)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 44 F | 4.8 | | 4.7 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 75
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL
KNEE JERK NOT TESTED |
| | | | 26.8 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-35 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 10.0 | 2.02 | 0.0 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 38.6
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 30
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 2.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 27
BODY TEMPERATURE C 38.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-39 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 55 F | 18 | 2.12 | 0.0 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 32
BODY TEMPERATURE C 38.4
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.1 | HEART RATE 108 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.5
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.5 | HEART RATE 114 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.2
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 1.1 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 39.4
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION - METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-39 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 55 F | 18 | | 2.3 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 36
BODY TEMPERATURE C 38.7
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.4 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 24
BODY TEMPERATURE C 38.1
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 26.8 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 32
BODY TEMPERATURE C 37.8
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION + METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-47 (I-V)

| CAT NO.
AND SEX | DOSE
MG/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 66 F | 18 | 1.77 | 0.0 | <p>HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 54
 BODY TEMPERATURE C 38.6
 ACTIVE +
 BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
 NEUROLOGICAL TESTS NORMAL
 PRE-DOSE (SAME DAY)</p> |
| | | | 0.1 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 84
 BODY TEMPERATURE C 39.2
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL</p> |
| | | | 0.6 | <p>HEART RATE 108 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 66
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL</p> |
| | | | 1.2 | <p>HEART RATE 144 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 60
 PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL</p> |
| SUSPENSION | | | | METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

9405-47 (1-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | KG. | HOURS | |
| 66 F | 18 | | 2.5 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.6 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 80
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 27.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 48
BODY TEMPERATURE C 39.0
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | | SUSPENSION + METHYLCELLULOSE 0.5% |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

20% (I-V)

| CAT NO.
AND SEX | DOSE
ML/KG | WT.
KG. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 44 F | 1.0 | 2.80 | 0.0 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 54
BODY TEMPERATURE C 38.2
NEUROLOGICAL TESTS NORMAL
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.03 | MEOWING |
| | | | 0.05 | MOTOR ACTIVITY GOOD |
| | | | 0.1 | HEART RATE 138 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 38.7
SEDATED
NEUROLOGICAL TESTS NORMAL |
| | | | 0.3 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 108
BODY TEMPERATURE C 38.6
PANTING
LYING ON SIDE, BUT CAN STAND
NOT ATTENTIVE TO SURROUNDINGS
NEUROLOGICAL TESTS NORMAL
KNEE JERK NOT TESTED |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

20% (I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | ML/KG | KG. | HOURS | |
| 44 F | 1.0 | | 1.0 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 37.3
NICITATING MEMBRANE RELAXED +++
SCLERA - VASODILATION
EARS RED
NOSE COOL AND MOIST
LYING ON SIDE WITH HEAD UP
NEUROLOGICAL TESTS NORMAL |
| | | | 1.8 | HEART RATE 120 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 37.4
NICITATING MEMBRANE RELAXED +++
NOSE COOL AND DRY
BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
NEUROLOGICAL TESTS NORMAL
KNEE JERK NOT TESTED |
| | | | 3.0 | NICITATING MEMBRANE RELAXED +
OTHER TESTS NOT DONE AT THIS TIME |
| | | | 25 | NICITATING MEMBRANE NORMAL
SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

(I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|------|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 53 F | 5.6 | 2.76 | 0.0 | HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 72
BODY TEMPERATURE C 38.5
CALM
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 90
BODY TEMPERATURE C 38.4
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.6 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.5
GROWLING WHEN HANDLED
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 1.2 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL
SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

(I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 53 F | 5.6 | | 2.3 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 3.6 | HEART RATE 132 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 39.5
GROWLING WHEN HANDLED
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 5.2 | HEART RATE 118 BEATS/MINUTE
RESPIRATIONS PER MINUTE 60
BODY TEMPERATURE C 39.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 25 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 66
BODY TEMPERATURE C 40.0
GROWLING WHEN HANDLED
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

(I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--------------|
| AND SEX | MG/KG | KG. | HOURS | |

53 F 5.6 29.0

HEART RATE 168 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 72
 BODY TEMPERATURE C 39.9
 GROWLING WHEN HANDLED
 BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
 NEUROLOGICAL EXAMINATION NOT DONE

46

HEART RATE 156 BEATS/MINUTE
 RESPIRATIONS PER MINUTE 78
 BODY TEMPERATURE C 39.2
 CALM
 BEHAVIOR AND APPEARANCE - OTHERWISE NORMAL
 NEUROLOGICAL EXAMINATION NOT DONE

SOLUTION - DISTILLED WATER

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

(I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 32 M | 0.1 | 3.8 | 0.0 | HEART RATE 156 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 37.8

ACTIVE +
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL
PRE-DOSE (SAME DAY) |
| | | | 0.2 | HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 96
BODY TEMPERATURE C 38.6
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 0.6 | HEART RATE 168 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 38.2
NASAL CONGESTION +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 1.9 | HEART RATE 144 BEATS/MINUTE
RESPIRATIONS PER MINUTE 78
BODY TEMPERATURE C 38.4
BEHAVIOR, GENERAL APPEARANCE, AND CONDITION - NORMAL
NEUROLOGICAL TESTS NORMAL

SOLUTION - DISTILLED WATER |

PHYSICAL AND NEUROLOGICAL EXAMINATION OF CATS

(I-V)

| CAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|--|
| AND SEX | MG/KG | KG. | HOURS | |
| 32 M | 0.1 | | 2.7 | HEART RATE 150 BEATS/MINUTE
RESPIRATIONS PER MINUTE 84
BODY TEMPERATURE C 38.3
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS NORMAL |
| | | | 4.0 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 102
BODY TEMPERATURE C 38.6
NASAL CONGESTION +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | 24.2 | HEART RATE 162 BEATS/MINUTE
RESPIRATIONS PER MINUTE 80
BODY TEMPERATURE C 38.0
NASAL CONGESTION +
PHYSICAL, NEUROLOGICAL, & BEHAVIORAL SIGNS OTHERWISE NORMAL |
| | | | | SOLUTION - DISTILLED WATER |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|----------|------------|---------------|------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 2438 | 3.20 | APRCH | 496 | 20.00 | 2.70 | .93 | 3.03 | 1.75 | 1.10 | 2.94 | 1.16 | 2.50 | 1.00 | 2.86 | 1.01 |
| 2438 | 3.20 | APRCH | 496 | 120. | 2.94 | .81 | 2.94 | 2.22 | 1.23 | 3.13 | 1.20 | 3.45 | 1.15 | 2.78 | 1.11 |
| 2438 | 3.20 | APRCH | 496 | 240. | 3.45 | 1.15 | 2.56 | 2.94 | 1.18 | 2.86 | 1.10 | 3.03 | 1.01 | 1.92 | 1.14 |
| 2438 | 3.20 | APRCH | 496 | 1440. | 2.50 | .88 | 2.33 | 2.00 | 1.01 | 3.13 | 1.18 | 2.63 | 1.02 | 3.57 | 1.11 |
| 2438 | 3.20 | APRCH | 498 | 20.00 | 4.35 | .81 | 4.76 | 4.17 | .87 | 3.70 | .84 | 5.00 | .94 | 4.55 | 1.05 |
| 2438 | 3.20 | APRCH | 498 | 120. | 3.85 | .83 | 5.00 | 4.17 | .81 | .03* | * | * | * | * | * |
| 2438 | 3.20 | APRCH | 498 | 240. | 1.82 | .03 | .33 | .03* | .24 | .03* | * | .03* | .03* | .03* | .03* |
| 2438 | 3.20 | APRCH | 498 | 1440. | 2.94 | .48 | .03* | .65 | .24 | .03* | .03* | .03* | .03* | .03* | .03* |
| 2438 | 3.20 | AVOID | 471 | 20.00 | 3.03 | .73 | 4.55 | 3.85 | 1.49 | 1.08 | 1.19 | 2.22 | 1.85 | 2.13 | 1.75 |
| 2438 | 3.20 | AVOID | 471 | 120. | 2.56 | .77 | 1.64 | 3.85 | 1.45 | 4.00 | 1.54 | 3.45 | 1.75 | 3.33 | 2.94 |
| 2438 | 3.20 | AVOID | 471 | 240. | 1.64 | 1.12 | 2.63 | 4.76 | 1.59 | 3.70 | 1.47 | 1.79 | 1.82 | 2.44 | 2.04 |
| 2438 | 3.20 | AVOID | 471 | 1440. | 2.33 | .52 | 3.45 | 2.86 | 1.10 | 2.22 | 1.27 | 2.86 | 1.33 | 2.08 | 1.37 |
| 2438 | 3.20 | AVOID | 503 | 20.00 | 2.22 | .38 | .20 | .38 | 1.45 | .22 | .17 | 2.70 | 1.23 | 1.20 | 2.50 |
| 2438 | 3.20 | AVOID | 503 | 120. | .92 | .32 | 2.13 | 1.47 | .93 | 1.25 | 1.28 | 1.79 | 1.22 | 2.56 | 1.14 |
| 2438 | 3.20 | AVOID | 503 | 240. | 1.15 | 1.00 | 1.54 | 2.44 | 1.18 | 1.69 | 1.08 | 2.38 | 1.23 | 1.69 | 1.64 |
| 2438 | 3.20 | AVOID | 503 | 1440. | .18 | 2.56 | 1.69 | 1.61 | .85 | 1.61 | .84 | 2.17 | .94 | 2.08 | 1.04 |
| 2438 | 3.20 | ESCPE | 466 | 20.00 | 5.56 | 1.28 | 6.25 | 5.56 | 1.22 | 4.35 | 1.12 | 5.56 | 1.39 | 5.26 | 1.14 |
| 2438 | 3.20 | ESCPE | 466 | 120. | 4.55 | 1.23 | 5.56 | 5.88 | 1.22 | 4.35 | 1.27 | 4.55 | 1.22 | 2.17 | 1.23 |
| 2438 | 3.20 | ESCPE | 466 | 240. | 5.56 | 1.52 | 4.76 | 5.88 | 1.15 | 5.88 | 1.20 | 5.26 | 1.30 | 5.26 | 1.23 |
| 2438 | 3.20 | ESCPE | 466 | 1440. | .33 | .84 | 6.25 | 5.00 | 1.12 | 5.88 | 1.02 | 5.88 | 1.23 | 4.55 | 1.04 |

R. RAT DID NOT COMPLETE RUN ON THIS TRIAL.

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|----------|------------|---------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 2438 | 3.20 | ESCPE 508 | 20.00 | 5.88 | 1.33 | 5.88 | 1.43 | 5.26 | 1.16 | 6.67 | 1.23 | 5.56 | 1.20 | 5.88 | 1.20 |
| 2438 | 3.20 | ESCPE 508 | 120. | 5.26 | 1.30 | 5.88 | 1.52 | 6.25 | 1.41 | 7.14 | 1.19 | 5.56 | 1.22 | 5.88 | 1.11 |
| 2438 | 3.20 | ESCPE 508 | 240. | 4.35 | 1.22 | 5.00 | 1.39 | 5.56 | 1.15 | 2.94 | 1.27 | 6.25 | 1.18 | 3.70 | 1.09 |
| 2438 | 3.20 | ESCPE 508 | 1440. | 2.08 | .61 | 4.55 | .95 | 4.17 | 1.12 | 5.26 | 1.04 | 5.56 | 1.03 | 4.76 | 1.19 |
| SALINE | 0.00 | APRCH 492 | 20.00 | 2.86 | .79 | 1.75 | .73 | .77 | .17 | .70 | .60 | .85 | .68 | .51 | .72 |
| SALINE | 0.00 | APRCH 492 | 120. | 1.45 | .71 | .71 | .48 | 2.44 | .89 | .26 | .18 | .87 | .65 | .70 | .63 |
| SALINE | 0.00 | APRCH 492 | 240. | 2.00 | .53 | .12 | .22 | 1.37 | .78 | .53 | .80 | .25 | .34 | .90 | .87 |
| SALINE | 0.00 | APRCH 499 | 20.00 | 2.56 | .58 | 2.63 | .34 | .54 | .49 | 2.13 | .63 | 3.23 | .63 | 1.72 | .65 |
| SALINE | 0.00 | APRCH 499 | 120. | 2.27 | .50 | 1.82 | .68 | 2.04 | .65 | 2.17 | .71 | 2.50 | .83 | 2.50 | .76 |
| SALINE | 0.00 | APRCH 499 | 240. | 2.70 | .67 | 1.52 | .71 | 2.38 | .75 | 1.79 | .72 | 1.54 | .70 | 1.27 | .35 |
| SALINE | 0.00 | AVOID 504 | 20.00 | 1.30 | 1.45 | 2.38 | 1.82 | 2.86 | 1.72 | 2.27 | 1.92 | 3.45 | 1.92 | 3.70 | 1.82 |
| SALINE | 0.00 | AVOID 504 | 120. | 2.50 | 1.43 | 2.04 | 1.64 | 1.41 | 2.08 | 2.50 | 1.49 | 2.94 | 1.64 | 2.33 | 1.89 |
| SALINE | 0.00 | AVOID 504 | 240. | .53 | 2.33 | 3.13 | 1.85 | 1.82 | 2.22 | 2.86 | 1.82* | * | | 2.70 | 1.96 |
| SALINE | 0.00 | AVOID 508 | 20.00 | .54 | .83 | 2.86 | 1.14 | 2.56 | .51 | 2.86 | .52 | 2.94 | .51 | 1.67 | .52 |
| SALINE | 0.00 | AVOID 508 | 120. | .53 | .46 | 2.13 | .66 | 2.00 | .37 | 2.13 | .38 | 1.37 | .90 | 1.54 | .62 |
| SALINE | 0.00 | AVOID 508 | 240. | 1.39 | .84 | 2.00 | .85 | 1.54 | .81 | 2.86 | .85 | 2.44 | .98 | 2.17 | .82 |
| SALINE | 0.00 | ESCPE 509 | 20.00 | 1.11 | .51 | 3.57 | .53 | 4.00 | 1.11 | 4.76 | .52 | 1.45 | .51 | 1.92 | .53 |
| SALINE | 0.00 | ESCPE 509 | 120. | 1.33 | 1.25 | 1.98 | 1.19 | 2.63 | .53 | 2.22 | .53 | 2.86 | 1.32 | 3.57 | 1.18 |
| SALINE | 0.00 | ESCPE 509 | 240. | 2.56 | .52 | 3.88 | .52 | 3.23 | .50 | 3.13 | .53 | 2.44 | .50 | 3.85 | 1.25 |

* RAT DID NOT COMPLETE RUN ON THIS TRIAL

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN | |
|----------|------------|---------------|------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|------|
| INE | 0.00 | ESCP | 487 | 20.00 | 3.13 | .51 | 4.55 | .88 | 4.55 | .92 | 3.85 | .94 | 4.76 | .89 | 5.56 | .93 |
| INE | 0.00 | ESCP | 487 | 120. | 3.23 | .52 | 4.00 | .51 | 4.00 | .85 | 3.33 | .50 | 4.55 | .99 | 3.70 | .52 |
| INE | 0.00 | ESCP | 487 | 240. | 3.45 | .50 | 2.63 | 1.20 | 3.85 | .53 | 4.00 | 1.32 | 3.23 | 1.43 | 4.17 | .52 |
| 2598 | 1.00 | APRCH | 492 | 20.00 | 1.59 | .66 | 1.32 | .48 | .93 | .92 | 1.00 | .63 | .49 | .38 | 2.08 | .83 |
| 2598 | 1.00 | APRCH | 492 | 120. | 2.38 | .72 | .52 | .78 | .89 | .86 | 1.16 | .77 | .92 | .77 | 1.49 | .87 |
| 2598 | 1.00 | APRCH | 492 | 240. | 2.22 | .79 | .75 | .68 | .80 | .79 | 1.64 | .91 | 1.43 | .80 | 1.72 | .49 |
| 2598 | 1.00 | APRCH | 492 | 1440. | 2.17 | .77 | .92 | .38 | .79 | .78 | .78 | .57 | .57 | .91 | .48 | .38 |
| 2598 | 1.00 | APRCH | 499 | 20.00 | 3.33 | .36 | 3.45 | .78 | 3.33 | .68 | .82 | .60 | .13 | .05 | 3.03 | .36 |
| 2598 | 1.00 | APRCH | 499 | 120. | 3.23 | .74 | 2.44 | .63 | 1.89 | .66 | 1.82 | .63 | 3.33 | .76 | 2.04 | .72 |
| 2598 | 1.00 | APRCH | 499 | 240. | 2.44 | .37 | 2.56 | .65 | 1.59 | .36 | 2.13 | .72 | 2.86 | .68 | 2.56 | .66 |
| 2598 | 1.00 | APRCH | 499 | 1440. | 2.94 | .36 | 3.23 | .70 | 2.86 | .88 | 2.78 | .79 | 2.94 | .74 | 2.33 | .77 |
| 2598 | 1.00 | AVOID | 504 | 20.00 | 3.23 | 1.64 | 3.03 | 1.39 | 3.45 | 1.59 | 3.57 | 1.64 | 3.03 | 1.79 | 2.94 | 1.75 |
| 2598 | 1.00 | AVOID | 504 | 120. | 1.69 | 1.59 | 2.63 | 1.14 | 1.79 | 1.41 | 1.52 | 1.89 | 2.78 | 1.37 | 2.70 | 1.69 |
| 2598 | 1.00 | AVOID | 504 | 240. | 3.23 | 1.47 | 2.50 | 1.69 | 3.33 | 1.59 | 4.00 | 1.61 | 3.33 | 1.89 | 4.17 | 1.79 |
| 2598 | 1.00 | AVOID | 504 | 1440. | 1.79 | .54 | 2.17 | 1.47 | 2.78 | 1.54 | 2.86 | 1.49 | 3.23 | 1.56 | 3.03 | 1.72 |
| 2598 | 1.00 | AVOID | 480 | 20.00 | 2.55 | .66 | 2.22 | .93 | 3.13 | .96 | 2.86 | .74 | 1.75 | 3.26 | 3.03 | .89 |
| 2598 | 1.00 | AVOID | 480 | 120. | 1.89 | .90 | 2.78 | .74 | 2.27 | .69 | 1.82 | .85 | 1.72 | 1.30 | 2.04 | .49 |
| 2598 | 1.00 | AVOID | 480 | 240. | .83 | .87 | 2.53 | .50 | 2.22 | 1.30 | 1.92 | .52 | 2.50 | .50 | 2.63 | .51 |
| 2598 | 1.00 | AVOID | 480 | 1440. | 2.56 | .37 | .58 | .86 | 2.00 | .70 | 2.33 | .78 | 1.72 | 1.23 | 2.70 | .92 |
| 2598 | 1.00 | ESCP | 487 | 20.00 | 2.94 | .96 | 4.00 | .91 | 2.00 | .50 | 5.56 | .99 | 4.00 | .99 | 5.00 | 1.16 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MCTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 1
START | TRIAL 2
RUN | TRIAL 2
START | TRIAL 3
RUN | TRIAL 3
START | TRIAL 4
RUN | TRIAL 4
START | TRIAL 5
RUN | TRIAL 5
START | TRIAL 6
RUN | TRIAL 6
START |
|----------|------------|---------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|
| 2598 | 1.00 | ESCPE 487 | 120. | 3.85 | .51 | 4.76 | 1.27 | 4.17 | 1.18 | 4.00 | 1.28 | 4.00 | 1.11 | 4.00 | 1.41 | 4.00 |
| 2598 | 1.00 | ESCPE 487 | 240. | 6.25 | 1.41 | 3.33 | 1.47 | 5.56 | 1.41 | 5.56 | 1.32 | 5.00 | 1.47 | 2.63 | 1.56 | 2.63 |
| 2598 | 1.00 | ESCPE 487 | 1440. | 3.03 | .63 | 4.17 | .78 | 3.13 | .77 | 5.00 | .93 | 5.00 | .80 | 3.70 | .83 | 3.70 |
| 2598 | 1.00 | ESCPE 509 | 20.00 | 2.86 | 1.49 | 4.00 | 1.56 | 3.33 | 1.22 | 3.33 | 1.43 | 3.45 | 1.67 | 3.13 | 1.33 | 3.13 |
| 2598 | 1.00 | ESCPE 509 | 120. | 4.55 | 1.75 | 3.03 | 1.75 | 2.70 | 1.59 | 2.78 | 1.23 | 3.45 | 1.82 | 3.13 | 1.52 | 3.13 |
| 2598 | 1.00 | ESCPE 509 | 240. | 1.56 | 1.33 | 2.94 | .53 | 3.23 | 1.56 | 4.55 | 1.47 | 3.45 | 1.43 | 3.70 | 1.52 | 3.70 |
| 2598 | 1.00 | ESCPE 509 | 1440. | 1.79 | .96 | 1.20 | .53 | 1.72 | .91 | 3.13 | .50 | 2.86 | .52 | 3.33 | 1.30 | 3.33 |
| 2615 | .32 | APRCH 488 | 20.00 | .18 | .36 | .10 | .48 | 3.03 | .64 | 3.45 | .68 | 2.94 | .56 | 4.17 | .28 | 4.17 |
| 2615 | .32 | APRCH 488 | 120. | 2.44 | .44 | .11 | .50 | 2.70 | .48 | 3.33 | .58 | 3.70 | .55 | 3.23 | .60 | 3.23 |
| 2615 | .32 | APRCH 488 | 240. | .05 | .46 | 1.47 | 1.52 | 3.45 | .59 | .19 | .50 | 1.67 | .57 | .14 | .42 | .14 |
| 2615 | .32 | APRCH 488 | 1440. | .06 | .10 | 3.03 | .65 | 2.63 | .56 | .38 | .31 | .92 | .56 | 3.23 | .67 | 3.23 |
| 2615 | .32 | APRCH 498 | 20.00 | 4.35 | .84 | 4.76 | .97 | 4.76 | .84 | 4.76 | .94 | 5.26 | .88 | 5.00 | 1.02 | 5.00 |
| 2615 | .32 | APRCH 498 | 120. | 3.13 | .69 | 4.55 | .86 | 4.17 | .96 | 4.35 | .86 | 4.55 | .87 | 4.35 | .97 | 4.35 |
| 2615 | .32 | APRCH 498 | 240. | 4.35 | 1.06 | 4.55 | 1.01 | 4.55 | 1.09 | 4.55 | 1.09 | 4.76 | 1.04 | 4.76 | 1.07 | 4.76 |
| 2615 | .32 | APRCH 498 | 1440. | 4.17 | .75 | 4.76 | .98 | 5.00 | 1.06 | 5.00 | 1.08 | 4.55 | 1.04 | .04 | .69 | .04 |
| 2615 | .32 | AVOID 475 | 20.00 | 3.70 | .49 | 4.35 | .85 | 4.00 | 1.05 | 3.57 | .94 | 3.45 | 1.06 | 4.55 | 1.33 | 4.55 |
| 2615 | .32 | AVOID 475 | 120. | 3.13 | .51 | 3.13 | .76 | 3.70 | .98 | 4.76 | 1.15 | 4.17 | 1.12 | 4.55 | 1.37 | 4.55 |
| 2615 | .32 | AVOID 475 | 240. | 3.33 | .68 | 2.86 | .68 | 3.03 | 1.04 | 3.13 | .90 | 3.45 | 1.14 | 4.00 | 1.14 | 4.00 |
| 2615 | .32 | AVOID 475 | 1440. | 2.78 | .41 | 1.35 | .68 | 3.33 | .76 | 3.13 | .79 | 3.05 | 1.10 | 4.55 | 1.10 | 4.55 |
| 2615 | .32 | AVOID 503 | 20.00 | .22 | 1.33 | 1.82 | .71 | 2.04 | 1.11 | 2.33 | .96 | 2.70 | 1.28 | 2.04 | 1.32 | 2.04 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MCTIV
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|--------------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 2615 | .32 | AVOID | 503 | 120. | .72 | .29 | .86 | .97 | 1.69 | .61 | .79 | 1.47 | 2.50 | 1.19 | .93 |
| 2615 | .32 | AVOID | 503 | 240. | .19 | 2.04 | .56 | 1.47 | 2.50 | 1.05 | 2.86 | 1.28 | 2.50 | 1.47 | 1.79 |
| 2615 | .32 | AVOID | 503 | 1440. | .22 | 1.52 | 1.82 | .44 | 1.47 | .54 | .68 | 2.04 | .50 | 1.96 | 1.69 |
| 2615 | .32 | ESCPE | 506 | 20.00 | 3.85 | 1.15 | 4.55 | 1.08 | 4.35 | 1.23 | 5.56 | .84 | 4.76 | 1.06 | 5.56 |
| 2615 | .32 | ESCPE | 506 | 120. | 1.61 | .39 | 3.03 | .68 | 3.85 | .83 | 4.17 | .75 | 2.04 | .60 | 4.35 |
| 2615 | .32 | ESCPE | 506 | 240. | 3.70 | .71 | 5.88 | 1.18 | 5.26 | 1.15 | 5.56 | .97 | 3.70 | .90 | 5.88 |
| 2615 | .32 | ESCPE | 506 | 1440. | 2.44 | .12 | 5.50 | .74 | 4.55 | .96 | 4.17 | .79 | 5.26 | 1.08 | 4.55 |
| 2615 | .32 | ESCPE | 508 | 20.00 | 5.26 | 1.45 | 6.61 | 1.47 | 5.56 | 1.18 | 4.55 | 1.06 | 4.35 | 1.16 | 4.35 |
| 2615 | .32 | ESCPE | 508 | 120. | 4.00 | 1.37 | 4.35 | 1.43 | 5.26 | 1.05 | 4.55 | 1.23 | 4.76 | 1.33 | 5.26 |
| 2615 | .32 | ESCPE | 508 | 240. | 4.35 | 1.67 | 3.70 | 2.00 | 5.56 | 1.56 | 4.35 | 1.64 | 4.76 | 1.33 | 3.85 |
| 2615 | .32 | ESCPE | 508 | 1440. | 3.13 | .83 | 5.00 | 1.18 | 3.70 | 1.03 | 4.55 | .99 | 3.85 | 1.06 | 4.17 |
| 2776 | 1.00 | APRCH | 488 | 20.00 | 1.32 | .36 | 2.70 | .71 | 3.85 | .86 | 2.27 | .40 | 4.35 | .85 | 2.33 |
| 2776 | 1.00 | APRCH | 488 | 120. | 2.86 | .57 | .63 | .76 | 3.23 | .78 | 4.17 | .96 | 3.85 | .89 | .71 |
| 2776 | 1.00 | APRCH | 488 | 240. | 2.13 | .56 | 2.22 | .81 | 4.17 | .85 | 4.17 | .88 | 4.35 | .92 | 3.45 |
| 2776 | 1.00 | APRCH | 488 | 1440. | 2.08 | .59 | 4.17 | .84 | 3.45 | .75 | 3.85 | .81 | 3.13 | .97 | 3.45 |
| 2776 | 1.00 | APRCH | 492 | 20.00 | 3.57 | .86 | 2.86 | .96 | 2.38 | .51 | 2.44 | .85 | 2.63 | .92 | 1.59 |
| 2776 | 1.00 | APRCH | 492 | 120. | 2.94 | .81 | 3.23 | .98 | 2.70 | .86 | 2.50 | .81 | 2.94 | .89 | 2.22 |
| 2776 | 1.00 | APRCH | 492 | 240. | 3.33 | .78 | 1.89 | .77 | 1.41 | .00 | 2.86 | .65 | 2.22 | .83 | 2.70 |
| 2776 | 1.00 | APRCH | 492 | 1440. | 3.23 | .75 | 2.70 | .89 | 2.27 | .92 | 2.38 | .82 | .95 | .91 | 2.63 |
| 2776 | 1.00 | AVOID | 475 | 20.00 | 3.45 | .43 | 2.33 | .71 | 3.57 | .97 | 1.35 | .93 | 2.08 | 1.06 | 3.57 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 2776 | 1.00 | AVOID 475 | 120. | 2.78 | .49 | 2.56 | .70 | 3.57 | .81 | 1.54 | .78 | 2.17 | .93 | 3.70 | .94 |
| 2776 | 1.00 | AVOID 475 | 240. | 2.86 | .57 | 3.45 | .88 | 3.13 | .91 | 3.13 | .84 | 2.78 | 1.08 | 2.94 | 1.22 |
| 2776 | 1.00 | AVOID 475 | 1440. | 2.38 | .47 | 2.56 | .61 | 3.03 | .72 | 3.13 | .85 | 1.96 | 1.03 | 3.23 | 1.16 |
| 2776 | 1.00 | AVOID 504 | 20.00 | 3.85 | .78 | 4.35 | 1.43 | 4.17 | 1.45 | 4.17 | 1.47 | 3.33 | 1.59 | 3.45 | 1.56 |
| 2776 | 1.00 | AVOID 504 | 120. | 3.85 | 1.39 | 4.55 | 1.41 | 3.45 | 1.35 | 4.55 | 1.45 | 3.33 | 1.37 | 3.13 | 1.54 |
| 2776 | 1.00 | AVOID 504 | 240. | 3.57 | 1.39 | 3.45 | 1.56 | 4.35 | 1.43 | 4.35 | 1.67 | 3.70 | 1.59 | 2.56 | 1.64 |
| 2776 | 1.00 | AVOID 504 | 1440. | 4.55 | 1.16 | 3.85 | 1.04 | 3.70 | 1.32 | 3.03 | 1.85 | 4.00 | 1.45 | 3.70 | 1.79 |
| 2776 | 1.00 | ESCAPE 505 | 20.00 | 5.88 | 1.56 | 4.76 | 1.23 | 5.56 | 1.16 | 1.89 | 1.27 | 2.38 | 1.56 | 3.23 | 1.16 |
| 2776 | 1.00 | ESCAPE 505 | 120. | 2.33 | 1.12 | 3.57 | 1.11 | 4.17 | 1.33 | 4.55 | 1.32 | 5.56 | 1.37 | 2.78 | 1.49 |
| 2776 | 1.00 | ESCAPE 505 | 240. | 4.76 | 1.20 | 4.76 | 1.27 | 2.78 | 1.39 | 4.55 | 1.22 | 2.17 | 1.28 | 2.13 | 1.09 |
| 2776 | 1.00 | ESCAPE 505 | 1440. | 5.56 | .93 | 3.85 | .79 | 3.70 | 1.25 | 3.33 | 1.20 | 2.50 | .96 | 3.23 | .96 |
| 2776 | 1.00 | ESCAPE 509 | 20.00 | 3.45 | 1.33 | 4.00 | 1.25 | 3.70 | 1.30 | 2.86 | 1.59 | 4.17 | 1.32 | 4.00 | 1.33 |
| 2776 | 1.00 | ESCAPE 509 | 120. | 2.70 | 1.43 | 2.63 | 1.23 | 4.76 | 1.56 | 4.00 | 1.33 | 2.94 | 1.49 | 3.33 | 1.47 |
| 2776 | 1.00 | ESCAPE 509 | 240. | 2.56 | 1.64 | 5.00 | 1.64 | 4.17 | 1.35 | 3.33 | 1.45 | 5.00 | 1.45 | 2.70 | 1.85 |
| 2776 | 1.00 | ESCAPE 509 | 1440. | 2.50 | 1.01 | 1.82 | 1.37 | 3.23 | 1.49 | 2.50 | 1.59 | 2.94 | 1.49 | 4.00 | 1.52 |
| 2808 | 3.20 | APRCH 497 | 20.00 | 2.22 | .66 | 2.17 | .89 | 1.72 | .93 | 2.86 | .85 | 1.67 | .90 | 2.33 | .95 |
| 2808 | 3.20 | APRCH 497 | 120. | 2.13 | .96 | 2.70 | .95 | 2.56 | 1.01 | 2.70 | 1.05 | 2.63 | 1.05 | 2.17 | 1.00 |
| 2808 | 3.20 | APRCH 497 | 240. | 2.78 | .50 | 2.88 | .99 | 2.56 | .99 | .09 | .79 | 1.63 | 1.05 | 2.13 | 1.03 |
| 2808 | 3.20 | APRCH 497 | 1440. | 2.38 | 1.45 | 2.44 | 1.06 | 2.44 | .98 | 2.94 | .99 | 2.94 | .99 | 2.33 | .95 |
| 2808 | 3.20 | APRCH 499 | 20.00 | 4.55 | .54 | 3.70 | .68 | 1.96 | .78 | 4.55 | .79 | 4.35 | .78 | 4.35 | .75 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|-------------|---------------|---------------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 2808 | 3.20 | APRCH 499 | 120. | 3.57 | .56 | 4.00 | .78 | 5.00 | .79 | 3.57 | .81 | 4.35 | .85 | 2.27 | .79 |
| 2808 | 3.20 | APRCH 499 | 240. | 4.35 | .57 | 3.85 | .79 | 4.17 | .76 | 4.55 | .81 | 4.76 | .83 | 4.55 | .79 |
| 2808 | 3.20 | APRCH 499 | 1440. | 2.13 | .42 | 4.00 | .79 | 4.17 | .76 | 4.35 | .82 | 3.85 | .75 | 4.17 | .81 |
| 2808 | 3.20 | AVOID 502 | 20.00 | .32 | .68 | 1.75 | 1.15 | 3.03 | 1.33 | 3.33 | 1.32 | 1.79 | 1.43 | 4.17 | 1.15 |
| 2808 | 3.20 | AVOID 502 | 120. | .31 | .76 | 2.50 | 1.16 | 3.03 | 1.12 | 4.55 | 1.20 | 3.03 | 1.11 | 1.14 | 1.15 |
| 2808 | 3.20 | AVOID 502 | 240. | .22 | .44 | 3.03 | 1.33 | .23 | 1.22 | 3.23 | 1.08 | 2.63 | 1.05 | 2.38 | .85 |
| 2808 | 3.20 | AVOID 502 | 1440. | .24 | .81 | 2.63 | .96 | 3.57 | 1.22 | 2.27 | 1.32 | 2.50 | 1.28 | 2.63 | 1.05 |
| 2808 | 3.20 | AVOID 480 | 20.00 | 1.61 | .66 | 2.70 | .78 | 2.94 | .78 | 2.94 | .79 | 3.13 | .85 | 2.94 | .91 |
| 2808 | 3.20 | AVOID 480 | 120. | 1.96 | .47 | 2.27 | .63 | 3.13 | .68 | 2.44 | .76 | 2.63 | .89 | 3.33 | .89 |
| 2808 | 3.20 | AVOID 480 | 240. | 1.64 | .44 | 3.03 | .72 | 2.08 | .78 | 2.56 | .82 | 3.13 | 1.00 | 3.57 | .81 |
| 2808 | 3.20 | AVOID 480 | 1440. | 1.45 | .44 | 1.67 | .73 | 3.03 | .67 | 1.85 | .66 | .85 | 1.30 | 1.89 | .86 |
| 2808 | 3.20 | ESCPE 507 | 20.00 | 4.00 | 1.12 | 5.00 | .98 | 3.57 | 1.52 | 4.76 | 1.09 | 5.48 | 1.39 | 4.55 | .97 |
| 2808 | 3.20 | ESCPE 507 | 120. | 3.23 | .85 | 3.45 | .76 | 4.76 | .85 | 5.00 | 1.03 | 4.76 | 1.10 | 4.35 | 1.00 |
| 2808 | 3.20 | ESCPE 507 | 240. | 4.17 | 1.10 | 5.56 | 1.28 | 5.26 | .98 | 3.03 | 1.10 | 4.76 | 1.03 | 3.45 | 1.04 |
| 2808 | 3.20 | ESCPE 507 | 1440. | 4.35 | .85 | 4.00 | .83 | 3.70 | .92 | 4.55 | 1.16 | 4.17 | .99 | 4.17 | 1.32 |
| 2808 | 3.20 | ESCPE 487 | 20.00 | 5.26 | 1.20 | 3.33 | 1.43 | 4.35 | 1.19 | 4.55 | 1.22 | 5.88 | 1.19 | 5.67 | 1.19 |
| 2808 | 3.20 | ESCPE 487 | 120. | 4.76 | .79 | 3.33 | 1.20 | 3.70 | .99 | 4.55 | 1.19 | 3.85 | 1.27 | 5.56 | 1.18 |
| 2808 | 3.20 | ESCPE 487 | 240. | 5.26 | .93 | 4.35 | 1.28 | 4.17 | 1.22 | 5.26 | 1.22 | 5.26 | 1.23 | 5.56 | 1.15 |
| 2808 | 3.20 | ESCPE 487 | 1440. | 4.55 | .52 | 4.76 | .88 | 5.00 | .88 | 3.85 | 1.01 | 5.26 | .97 | 5.26 | .89 |
| 2808 | 10.00 | APRCH 496 | 20.00 | 2.70 | .88 | 3.57 | 1.06 | 3.70 | 1.01 | 2.04 | 1.15 | 2.70 | 1.23 | 2.70 | 1.15 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 2844 | 10.00 | APRCH 496 | 120. | 2.63 | .81 | 3.45 | 1.01 | 3.45 | .97 | 3.57 | 1.06 | .69 | .91 | 3.23 | 1.27 |
| 2844 | 10.00 | APRCH 496 | 240. | 3.45 | .90 | 2.94 | .88 | 3.23 | .88 | 3.03 | 1.10 | 3.33 | 1.00 | 3.57 | 1.12 |
| 2844 | 10.00 | APRCH 496 | 1440. | 3.45 | .88 | 4.35 | 1.25 | 4.00 | 1.22 | 4.17 | 1.11 | 2.63 | 1.19 | 3.85 | 1.28 |
| 2844 | 10.00 | APRCH 498 | 20.00 | 3.45 | .59 | 4.35 | .76 | 3.13 | .78 | 2.56 | .75 | 4.17 | .88 | 3.03 | .50 |
| 2844 | 10.00 | APRCH 498 | 120. | 2.56 | .03* | * | * | * | * | * | * | * | * | * | * |
| 2844 | 10.00 | APRCH 498 | 240. | .07 | .76 | .23 | .03 | .03* | .03* | .03* | .03* | .03* | .03* | .03* | .03* |
| 2844 | 10.00 | APRCH 498 | 1440. | .05 | 1.30 | .08 | .03 | .03* | .03* | .03* | .03* | .03* | .03* | .03* | .03* |
| 2844 | 10.00 | AVOID 471 | 20.00 | 2.63 | .38 | 3.23 | .89 | 4.17 | 1.14 | 3.85 | 1.11 | 2.13 | 1.32 | 2.00 | 1.75 |
| 2844 | 10.00 | AVOID 471 | 120. | 3.57 | .71 | 2.38 | 1.16 | 3.45 | 1.03 | 2.38 | 1.28 | 2.70 | 1.32 | 3.03 | 1.52 |
| 2844 | 10.00 | AVOID 471 | 240. | 2.70 | .47 | 2.78 | 1.27 | 3.45 | 1.27 | 3.57 | 1.33 | 2.27 | 1.32 | 3.57 | 1.56 |
| 2844 | 10.00 | AVOID 471 | 1440. | 1.32 | .41 | 2.70 | .93 | 2.63 | 1.00 | 3.23 | 1.33 | 3.85 | 1.25 | 3.45 | 1.35 |
| 2844 | 10.00 | AVOID 503 | 20.00 | .22 | 1.69 | 1.67 | .57 | 2.13 | .90 | 1.33 | 1.10 | 2.33 | 1.00 | 1.72 | 1.25 |
| 2844 | 10.00 | AVOID 503 | 120. | .60 | 1.22 | 1.96 | .92 | .99 | 1.23 | .97 | 1.39 | 2.78 | 1.15 | .80 | 1.64 |
| 2844 | 10.00 | AVOID 503 | 240. | .21 | .06 | 1.67 | .94 | 2.63 | 1.32 | 2.33 | 1.37 | 2.44 | 1.30 | 2.38 | 1.19 |
| 2844 | 10.00 | AVOID 503 | 1440. | 1.64 | .39 | 1.47 | .67 | 1.61 | .97 | 1.49 | 1.02 | 2.13 | 1.32 | 1.56 | 1.67 |
| 2844 | 10.00 | ESCPE 466 | 20.00 | 5.26 | 1.22 | 5.26 | 1.32 | 5.00 | 1.39 | 6.25 | 1.12 | 4.17 | 1.15 | 3.33 | .99 |
| 2844 | 10.00 | ESCPE 466 | 120. | 4.35 | .98 | 4.17 | 1.43 | 2.50 | 1.10 | 5.26 | 1.25 | 3.33 | 1.16 | 5.00 | 1.23 |
| 2844 | 10.00 | ESCPE 466 | 240. | 5.56 | 1.02 | 2.33 | 1.15 | 6.67 | 1.01 | 2.94 | .94 | 6.25 | 1.19 | 6.25 | .85 |
| 2844 | 10.00 | ESCPE 466 | 1440. | 5.56 | .88 | 5.88 | 1.33 | 5.88 | 1.14 | 4.76 | 1.30 | 5.56 | 1.03 | 2.50 | 1.09 |
| 2844 | 10.00 | ESCPE 508 | 20.00 | 4.00 | 1.05 | 5.00 | 1.10 | 5.26 | 1.05 | 8.33 | 1.22 | 5.26 | 1.08 | 3.33 | 1.09 |
| 2844 | 10.00 | ESCPE 508 | 120. | 3.45 | 1.35 | 5.00 | 1.33 | 7.14 | 1.19 | 6.25 | 1.23 | 6.67 | 1.11 | 5.26 | 1.19 |
| 2844 | 10.00 | ESCPE 508 | 240. | 3.85 | 1.12 | 5.00 | 1.52 | 5.26 | 1.10 | 5.00 | 1.11 | 5.88 | 1.19 | 5.26 | 1.30 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN | | | | | |
|----------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------|------|------|------|
| 2844 | 10.00 | ESCE 508 | 1440. | 2.00 | .50 | 4.17 | 1.18 | 5.26 | 1.09 | 3.57 | 1.14 | 4.35 | 1.05 | |
| 2850 | 3.20 | APRCH 496 | 20.00 | 1.22 | .85 | 2.22 | .95 | 2.33 | .51 | 2.50 | .50 | 2.50 | .53 | |
| 2850 | 3.20 | APRCH 496 | 120. | 1.82 | .53 | 1.52 | 1.15 | 3.13 | .53 | 2.50 | .53 | 2.08 | 1.16 | |
| 2850 | 3.20 | APRCH 496 | 240. | 1.85 | .99 | 1.82 | .52 | 1.79 | .54 | 2.50 | 1.22 | 1.85 | .16 | |
| 2850 | 3.20 | APRCH 496 | 1440. | 2.94 | .52 | 2.63 | .51 | 2.33 | .53 | 2.22 | 1.16 | 2.04 | .53 | |
| 2850 | 3.20 | APPCH 498 | 20.00 | 4.00 | 1.23 | 3.45 | 1.33 | 3.33 | 1.18 | 3.70 | 1.23 | 3.85 | .52 | |
| 2850 | 3.20 | APRCH 498 | 120. | 2.70 | 1.30 | 3.13 | 1.18 | 2.22 | 1.32 | 3.85 | 1.35 | 3.03 | .52 | |
| 2850 | 3.20 | APRCH 498 | 240. | 3.57 | .52 | 4.00 | .53 | 3.57 | .53 | 1.89 | .53 | 2.70 | 1.25 | |
| 2850 | 3.20 | APRCH 498 | 1440. | 3.85 | .53 | 3.57 | 1.19 | 4.17 | .51 | 3.23 | 1.20 | 2.33 | .53 | |
| 2850 | 3.20 | AVOID 501 | 20.00 | 2.17 | 1.47 | 2.78 | 1.89 | 3.03 | 1.79 | 1.89 | 1.69 | 1.79 | 3.57 | 1.67 |
| 2850 | 3.20 | AVOID 501 | 120. | 2.22 | 1.43 | 2.38 | 1.49 | 2.22 | 1.43 | 2.50 | 1.54 | 2.63 | 1.82 | 1.54 |
| 2850 | 3.20 | AVOID 501 | 240. | 2.22 | 1.52 | 3.13 | 1.59 | 1.64 | 1.54 | 2.94 | 1.35 | 2.13 | 2.08 | 1.82 |
| 2850 | 3.20 | AVOID 501 | 1440. | 2.94 | 1.54 | 3.33 | 1.39 | 3.13 | 1.33 | 2.22 | 1.69 | 2.63 | 3.85 | 1.64 |
| 2850 | 3.20 | AVOID 503 | 20.00 | 1.43 | .78 | 1.82 | .93 | 1.79 | .82 | 1.20 | .53 | 2.70 | 1.22 | 1.42 |
| 2850 | 3.20 | AVOID 503 | 120. | 1.61 | .71 | 2.00 | .73 | 2.08 | .89 | 2.44 | .85 | 1.72 | 3.03 | .87 |
| 2850 | 3.20 | AVOID 503 | 240. | .35 | 1.30 | 1.82 | .97 | 2.63 | .55 | 2.27 | .91 | 2.70 | 1.59 | 1.27 |
| 2850 | 3.20 | AVOID 503 | 1440. | .54 | .36 | .53 | .93 | 1.45 | .50 | 2.56 | 1.16 | 1.96 | 1.82 | .51 |
| 2850 | 3.20 | AVOID 503 | 1440. | .54 | .36 | .53 | .93 | 1.45 | .50 | 2.56 | 1.16 | 1.96 | 1.82 | .51 |
| 2850 | 3.20 | ESCPF 466 | 20.00 | 4.76 | 1.27 | 2.33 | 1.30 | 2.94 | .83 | 3.03 | .93 | 3.23 | 3.03 | .92 |
| 2850 | 3.20 | ESCE 466 | 120. | 2.63 | 1.39 | 4.55 | 1.27 | 3.23 | .51 | 2.78 | .52 | 2.86 | 3.03 | .92 |
| 2850 | 3.20 | ESCE 466 | 240. | 3.45 | 1.41 | 4.76 | 1.28 | 3.85 | .53 | 3.65 | 1.25 | 4.00 | 2.56 | 1.45 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN | |
|----------|------------|---------------|------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------|
| 2850 | 3.20 | ESCE | 466 | 1440. | 4.55 | .51 | 3.85 | .91 | 3.33 | .98 | 5.00 | .91 | 3.45 | 1.23 | 3.33 | 1.00 |
| 2850 | 3.20 | ESCE | 508 | 20.00 | 2.44 | .51 | 4.00 | .90 | 3.70 | .85 | 4.17 | .89 | 2.50 | .74 | 4.17 | .80 |
| 2850 | 3.20 | ESCE | 508 | 120. | 4.00 | .51 | 1.85 | 1.00 | 2.86 | .86 | 2.78 | .90 | 2.17 | .95 | 4.55 | .97 |
| 2850 | 3.20 | ESCE | 508 | 240. | 3.33 | .86 | 3.85 | .52 | 4.55 | .93 | 2.63 | .99 | 3.85 | .82 | 2.78 | .97 |
| 2850 | 3.20 | ESCE | 508 | 1440. | 3.70 | .81 | 4.17 | .91 | 5.00 | .87 | 1.61 | .85 | 4.55 | .85 | 5.00 | .97 |
| 2851 | .32 | APRCH | 496 | 20.00 | 3.23 | .80 | 3.70 | 1.20 | 3.03 | 1.09 | 2.70 | .97 | 3.70 | 1.19 | 3.85 | 1.19 |
| 2851 | .32 | APRCH | 496 | 120. | 3.57 | .93 | 3.57 | 1.22 | 4.00 | 1.15 | 3.70 | 1.03 | 3.13 | 1.08 | 3.23 | 1.20 |
| 2851 | .32 | APRCH | 496 | 240. | 4.00 | 1.12 | 3.85 | 1.25 | 3.33 | 1.39 | 3.45 | 1.25 | 3.03 | 1.32 | 4.17 | 1.27 |
| 2851 | .32 | APRCH | 496 | 1440. | 3.70 | 1.01 | 4.35 | 1.22 | 5.00 | 1.33 | 3.70 | 1.28 | 4.17 | 1.16 | 3.33 | 1.39 |
| 2851 | .32 | APRCH | 499 | 20.00 | 3.85 | .65 | 4.00 | .79 | 4.55 | .77 | 4.17 | .88 | 4.55 | .88 | 1.59 | .78 |
| 2851 | .32 | APRCH | 499 | 120. | 4.35 | .74 | 3.85 | .90 | 2.63 | .97 | 3.57 | .94 | 3.57 | .91 | 4.76 | .99 |
| 2851 | .32 | APRCH | 499 | 240. | 4.55 | .69 | 3.70 | .93 | 3.45 | .97 | 4.17 | .96 | 4.17 | .93 | 2.38 | .88 |
| 2851 | .32 | APRCH | 499 | 1440. | 3.85 | .56 | 4.00 | .87 | 3.03 | .90 | 4.17 | .93 | 4.00 | .89 | 2.63 | .92 |
| 2851 | .32 | AVOID | 471 | 20.00 | 4.00 | 1.03 | 4.35 | 1.30 | 2.27 | 1.25 | 2.17 | 1.56 | 3.45 | 1.37 | 3.70 | 1.47 |
| 2851 | .32 | AVOID | 471 | 120. | 3.70 | .41 | 3.03 | .78 | 4.17 | 1.03 | 2.94 | 1.16 | 3.23 | 1.19 | 2.84 | 1.47 |
| 2851 | .32 | AVOID | 471 | 240. | 3.33 | .42 | 3.57 | 1.11 | 3.45 | 1.52 | 1.85 | 1.61 | 3.70 | 1.51 | 4.35 | 1.47 |
| 2851 | .32 | AVOID | 471 | 1440. | 3.85 | .37 | 3.23 | .33 | 4.35 | .81 | 3.03 | .89 | 5.26 | .91 | 3.23 | 1.18 |
| 2851 | .32 | AVOID | 480 | 20.00 | 1.23 | .48 | 2.70 | .92 | 3.03 | 1.03 | 1.43 | 1.16 | 3.85 | 1.11 | 2.84 | .97 |
| 2851 | .32 | AVOID | 480 | 120. | 1.82 | .76 | 2.78 | .96 | 2.44 | .93 | 1.92 | .83 | 3.70 | 1.02 | 2.78 | .85 |
| 2851 | .32 | AVOID | 480 | 240. | 2.44 | .73 | 3.85 | 1.11 | 3.70 | 1.32 | 3.23 | 1.03 | 4.76 | 1.25 | 4.17 | 1.00 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 2851 | .32 | AVOID 480 | 1440. | 2.08 | .48 | 2.08 | .82 | 2.94 | .92 | 2.50 | .69 | 2.44 | .95 | 2.33 | .83 |
| 2851 | .32 | ESCP E 466 | 20.00 | 4.35 | 1.10 | 2.17 | 1.33 | 3.23 | 1.41 | 3.03 | 1.27 | 1.64 | 1.32 | 3.85 | 1.15 |
| 2851 | .32 | ESCP E 466 | 120. | 5.00 | 1.45 | 4.17 | 1.52 | 1.69 | 1.85 | 2.27 | 1.35 | 1.79 | 1.89 | 2.85 | 1.15 |
| 2851 | .32 | ESCP E 466 | 240. | 5.26 | 1.49 | 4.00 | 1.67 | 2.33 | 1.49 | 4.55 | 1.02 | 3.45 | 1.54 | 4.76 | 1.25 |
| 2851 | .32 | FSCPE 466 | 1440. | 3.45 | .90 | 5.00 | 1.18 | 3.13 | 1.20 | 4.35 | 1.14 | 2.08 | 1.28 | 5.26 | 1.49 |
| 2851 | .32 | ESCP E 487 | 20.00 | 5.88 | 1.02 | 4.76 | 1.25 | 3.57 | 1.15 | 4.17 | 1.27 | 4.00 | 1.20 | 3.33 | 1.45 |
| 2851 | .32 | ESCP E 487 | 120. | 2.33 | 1.14 | 2.63 | 1.39 | 2.86 | 1.39 | 3.03 | 1.41 | 3.23 | 1.27 | 2.44 | 1.23 |
| 2851 | .32 | ESCP E 487 | 240. | 5.56 | 1.37 | 3.70 | 1.47 | 4.55 | 1.85 | 4.17 | 1.56 | 3.85 | 1.64 | 4.76 | 1.69 |
| 2851 | .32 | ESCP E 487 | 1440. | 2.94 | .63 | 5.26 | .93 | 3.13 | 1.16 | 3.57 | 1.09 | 2.78 | 1.04 | 2.38 | 1.25 |
| 2867 | .25 | APRCH 488 | 20.00 | .09 | .16 | .07 | .46 | .04 | .23 | .21 | .17 | .67 | .43 | .05 | .34 |
| 2867 | .25 | APRCH 488 | 120. | 1.69 | .24 | 2.50 | .71 | 2.22 | 2.17 | .55 | .36 | .90 | .37 | .33 | .39 |
| 2867 | .25 | APRCH 488 | 240. | .10 | .05 | .94 | .36 | 2.56 | .85 | 2.70 | .63 | .16 | .72 | 2.00 | .77 |
| 2867 | .25 | APRCH 488 | 1440. | 1.19 | .12 | 2.44 | .71 | 2.13 | .67 | 1.22 | .32 | 1.56 | .57 | 1.82 | .63 |
| 2867 | .25 | APRCH 497 | 20.00 | 1.19 | .14 | 1.54 | .28 | .09 | .35 | .56 | .34 | 1.39 | .43 | .14 | .45 |
| 2867 | .25 | APRCH 497 | 120. | .40 | .64 | 1.96 | .88 | 1.75 | .76 | 1.72 | .75 | 1.43 | .17 | 1.43 | .10 |
| 2867 | .25 | APRCH 497 | 240. | 2.00 | .99 | 1.67 | .95 | 1.82 | .91 | 2.17 | .93 | 2.38 | .93 | 1.85 | .83 |
| 2867 | .25 | APRCH 497 | 1440. | 1.85 | .96 | 1.56 | .50 | 2.50 | .51 | 1.89 | .97 | 2.22 | .94 | .72 | .95 |
| 2867 | .25 | AVOID 475 | 20.00 | 2.63 | .14 | 1.82 | .72 | .93 | .88 | 1.47 | .80 | 3.57 | .50 | 2.94 | .94 |
| 2867 | .25 | AVOID 475 | 120. | 3.03 | .81 | 3.13 | .89 | 1.82 | .83 | 2.86 | .96 | 2.08 | .51 | 4.55 | 1.30 |
| 2867 | .25 | AVOID 475 | 240. | 2.33 | .93 | 2.27 | .89 | 3.13 | .95 | 1.96 | 1.19 | 4.75 | 1.20 | 2.50 | 1.15 |

MOTIVATION TESTS IN HOODED RATS
START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 2867 | .25 | AVOID 475 | 1440. | 2.17 | .74 | 2.86 | .78 | 1.67 | .96 | 4.35 | .50 | 2.50 | 1.27 | 4.00 | 1.47 |
| 2867 | .25 | AVOID 502 | 20.00 | .51 | .62 | 2.50 | .85 | 2.63 | 1.00 | 2.94 | .97 | 1.56 | .23 | 1.28 | .14 |
| 2867 | .25 | AVOID 502 | 120. | .65 | 1.28 | 1.92 | 1.23 | 2.17 | .50 | 1.54 | 1.18 | 2.78 | .50 | 1.41 | 1.11 |
| 2867 | .25 | AVOID 502 | 240. | 3.13 | 1.18 | 2.38 | 1.39 | 2.70 | 1.35 | 2.78 | 1.49 | 2.22 | 1.37 | 1.92 | 1.00 |
| 2867 | .25 | AVOID 502 | 1440. | 2.63 | 1.43 | 3.33 | 1.49 | 3.70 | 1.30 | 2.33 | 1.43 | 1.79 | .53 | 2.78 | .83 |
| 2867 | .25 | ESCPE 505 | 20.00 | 3.70 | .51 | 4.35 | .51 | 4.76 | 1.23 | 2.94 | 1.00 | 3.13 | .52 | 4.55 | .52 |
| 2867 | .25 | ESCPE 505 | 120. | 2.86 | 1.35 | 3.33 | 1.22 | 4.17 | 1.14 | 4.00 | 1.32 | 3.13 | 1.00 | 4.55 | .52 |
| 2867 | .25 | ESCPE 505 | 240. | 4.00 | .51 | 4.55 | .51 | 2.86 | 1.32 | 3.45 | 1.37 | 2.00 | 1.33 | 4.76 | 1.25 |
| 2867 | .25 | ESCPE 505 | 1440. | 4.00 | 1.27 | 3.03 | .52 | 4.17 | 1.22 | 2.86 | 1.16 | 4.17 | .93 | 2.00 | .52 |
| 2867 | .25 | ESCPE 507 | 20.00 | 4.55 | .67 | 3.70 | .89 | 4.35 | .52 | 4.55 | .88 | 4.00 | 1.08 | 3.03 | .94 |
| 2867 | .25 | ESCPE 507 | 120. | 3.13 | .68 | 3.33 | .50 | 2.04 | .87 | 3.45 | .98 | 3.85 | .51 | 5.26 | 1.32 |
| 2867 | .25 | ESCPE 507 | 240. | 5.56 | 1.56 | 1.61 | .53 | 3.13 | .91 | 5.00 | 1.28 | 4.35 | 1.43 | 3.03 | .99 |
| 2867 | .25 | ESCPE 507 | 1440. | 2.00 | 1.18 | 1.85 | .85 | 3.70 | .84 | 2.86 | .94 | 3.33 | 1.15 | 3.85 | 1.43 |
| 2881 | 3.20 | APRCH 497 | 20.00 | 2.27 | .89 | 2.38 | .88 | 2.50 | .96 | 2.27 | 1.02 | 2.70 | 1.14 | 2.38 | 1.12 |
| 2881 | 3.20 | APRCH 497 | 120. | 2.50 | .97 | 2.86 | 1.33 | 3.03 | 1.16 | 3.33 | 1.22 | 2.38 | 1.14 | 2.33 | 1.22 |
| 2881 | 3.20 | APRCH 497 | 240. | 1.79 | .88 | 2.94 | 1.18 | 2.56 | 1.19 | 2.38 | 1.12 | 3.13 | 1.22 | 3.03 | 1.22 |
| 2881 | 3.20 | APRCH 497 | 1440. | 2.08 | 1.06 | 3.33 | 1.11 | 2.70 | 1.15 | 2.22 | 1.08 | 2.70 | 1.14 | 3.03 | 1.08 |
| 2881 | 3.20 | APRCH 492 | 20.00 | 3.03 | .76 | 2.27 | .88 | 2.78 | .88 | 2.94 | .88 | 3.13 | .97 | 2.78 | .60 |
| 2881 | 3.20 | APRCH 492 | 120. | 2.08 | .83 | 2.94 | .85 | 1.12 | .81 | 2.50 | .79 | 1.39 | .94 | 2.17 | .46 |
| 2881 | 3.20 | APRCH 492 | 240. | 2.86 | .85 | 2.27 | .96 | 1.04 | .85 | 3.03 | .93 | 3.13 | .91 | 3.03 | .92 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN |
|----------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 2881 | 3.20 | APRCH 492 | 1440. | 3.57 .92 | 3.23 .88 | 2.86 .89 | 3.13 .88 | 2.70 .83 | 2.86 .88 |
| 2881 | 3.20 | AVOID 502 | 20.00 | .24 1.69 | 2.08 1.37 | 2.17 1.32 | .99 1.35 | 3.70 1.33 | 3.45 1.41 |
| 2881 | 3.20 | AVOID 502 | 120. | .56 .74 | 1.75 1.02 | 2.78 1.23 | 2.13 1.15 | 3.57 1.37 | 3.45 1.33 |
| 2881 | 3.20 | AVOID 502 | 240. | .36 1.45 | 3.03 1.22 | 3.23 1.35 | 2.86 1.37 | 3.33 1.30 | 3.15 1.32 |
| 2881 | 3.20 | AVOID 502 | 1440. | 2.22 .83 | 1.92 .96 | 2.63 1.45 | 3.23 1.23 | 1.67 1.43 | 1.08 1.30 |
| 2881 | 3.20 | AVOID 504 | 20.00 | 3.70 .99 | 4.55 1.47 | 4.35 1.28 | 4.17 1.45 | 3.03 1.69 | 3.13 1.79 |
| 2881 | 3.20 | AVOID 504 | 120. | 4.17 1.16 | 3.85 1.45 | 3.45 1.56 | 4.00 1.52 | 4.00 1.49 | 2.27 1.96 |
| 2881 | 3.20 | AVOID 504 | 240. | 4.00 1.41 | 4.00 1.61 | 3.33 1.56 | 3.85 1.67 | 3.57 1.72 | 4.17 1.75 |
| 2881 | 3.20 | AVOID 504 | 1440. | 4.76 .74 | 3.45 .89 | 4.35 .88 | 2.27 1.22 | 4.00 1.10 | 3.70 1.33 |
| 2881 | 3.20 | ESCPE 507 | 20.00 | 4.17 .88 | 6.67 1.03 | 4.17 .88 | 5.26 .90 | 3.85 1.00 | 4.55 .90 |
| 2881 | 3.20 | ESCPE 507 | 120. | 3.57 .82 | 3.23 .90 | 4.00 1.20 | 4.00 1.19 | 3.45 1.04 | 5.88 1.19 |
| 2881 | 3.20 | ESCPE 507 | 240. | 5.00 1.12 | 5.56 1.10 | 3.70 1.12 | 5.26 .98 | 5.56 1.08 | 2.86 1.12 |
| 2881 | 3.20 | ESCPE 507 | 1440. | 3.57 .30 | 3.70 .54 | 4.55 .85 | 3.03 .85 | 3.33 .73 | 5.56 .96 |
| 2881 | 3.20 | ESCPE 509 | 20.00 | 2.22 1.54 | 5.88 1.20 | 4.17 1.25 | 3.45 1.33 | 3.85 1.37 | 3.03 1.59 |
| 2881 | 3.20 | ESCPE 509 | 120. | 2.33 1.52 | 3.03 1.37 | 3.13 1.28 | 2.00 1.56 | 4.35 1.35 | 5.26 1.23 |
| 2881 | 3.20 | ESCPE 509 | 240. | 3.33 1.30 | 4.35 1.30 | 4.00 1.41 | 2.27 1.49 | 4.55 1.28 | 4.55 1.41 |
| 2881 | 3.20 | ESCPE 509 | 1440. | 2.22 .94 | 2.33 1.01 | 2.27 1.18 | 2.13 1.33 | 1.32 1.59 | 2.63 1.25 |
| 2897 | 3.20 | APRCH 496 | 20.00 | 3.03 .89 | .32 .93 | 4.17 1.06 | 3.57 1.28 | 3.57 1.19 | 3.44 .96 |
| 2897 | 3.20 | APRCH 496 | 120. | 3.45 1.15 | 4.00 1.27 | 3.70 1.22 | 3.57 1.25 | 4.17 1.27 | 2.33 1.33 |
| 2897 | 3.20 | APRCH 496 | 240. | 2.44 .46 | 3.33 1.33 | 2.94 1.32 | 4.35 1.35 | 3.70 1.11 | 3.70 1.04 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 2 START | TRIAL 3 START | TRIAL 4 START | TRIAL 5 START | TRIAL 6 START | TRIAL 1 RUN | TRIAL 2 RUN | TRIAL 3 RUN | TRIAL 4 RUN | TRIAL 5 RUN | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2897 | 3.20 | APRCH 496 | 1440. | 3.45 | 0.94 | 4.55 | 1.35 | 4.17 | 1.19 | 4.11 | 1.25 | 3.45 | 1.22 | | |
| 2897 | 3.20 | APRCH 492 | 20.00 | 3.03 | 0.87 | 2.44 | 0.83 | 4.0 | 0.85 | 2.08 | 0.96 | 2.63 | 0.81 | | |
| 2897 | 3.20 | APRCH 492 | 120. | 3.45 | 1.01 | 2.70 | 0.75 | 2.86 | 0.92 | 2.86 | 1.01 | 3.33 | 0.95 | | |
| 2897 | 3.20 | APRCH 492 | 240. | 3.70 | 0.76 | 2.94 | 0.75 | 3.03 | 0.97 | 2.70 | 0.77 | 2.13 | 0.94 | | |
| 2897 | 3.20 | APRCH 492 | 1440. | 2.13 | 0.70 | 2.38 | 0.56 | 2.63 | 0.95 | 2.94 | 0.91 | 3.03 | 1.02 | | |
| 2897 | 3.20 | AVOID 503 | 20.00 | 0.20 | 1.56 | 0.52 | 1.12 | 5.83 | 2.04 | 3.23 | 2.04 | 3.70 | 1.52 | | |
| 2897 | 3.20 | AVOID 503 | 120. | 0.15 | 2.17 | 0.88 | 0.65 | 0.86 | 1.33 | 2.33 | 1.22 | 0.91 | 1.45 | | |
| 2897 | 3.20 | AVOID 503 | 240. | 0.23 | 1.85 | 2.33 | 0.93 | 1.96 | 1.45 | 2.04 | 1.18 | 1.61 | 1.63 | | |
| 2897 | 3.20 | AVOID 503 | 1440. | 0.88 | 0.43 | 1.45 | 1.41 | 0.68 | 1.39 | 0.65 | 1.85 | 0.75 | 1.33 | | |
| 2897 | 3.20 | AVOID 504 | 20.00 | 3.45 | 1.28 | 3.23 | 1.41 | 4.17 | 1.81 | 3.13 | 1.52 | 3.70 | 1.72 | | |
| 2897 | 3.20 | AVOID 504 | 120. | 2.44 | 1.52 | 3.33 | 1.54 | 3.13 | 1.59 | 4.35 | 1.59 | 1.72 | 3.13 | | |
| 2897 | 3.20 | AVOID 504 | 240. | 3.70 | 1.33 | 3.33 | 1.75 | 2.86 | 1.96 | 3.70 | 1.82 | 3.03 | 2.00 | | |
| 2897 | 3.20 | AVOID 504 | 1440. | 2.38 | 1.05 | 2.70 | 1.54 | 2.86 | 1.67 | 0.81 | 1.96 | 3.33 | 1.33 | | |
| 2897 | 3.20 | ESCPF 508 | 20.00 | 3.70 | 1.39 | 4.35 | 1.41 | 4.17 | 1.35 | 4.35 | 1.45 | 4.35 | 1.41 | | |
| 2897 | 3.20 | ESCPF 508 | 120. | 3.57 | 1.25 | 3.57 | 1.25 | 3.03 | 1.22 | 3.45 | 1.09 | 2.38 | 1.22 | | |
| 2897 | 3.20 | ESCPF 508 | 240. | 4.76 | 1.54 | 4.55 | 1.45 | 4.35 | 1.39 | 4.55 | 1.41 | 4.00 | 1.27 | | |
| 2897 | 3.20 | ESCPF 508 | 1440. | 2.70 | 0.81 | 2.63 | 1.08 | 3.57 | 0.99 | 2.50 | 1.10 | 3.57 | 0.97 | | |
| 2897 | 3.20 | ESCPF 509 | 20.00 | 1.82 | 1.04 | 2.08 | 1.69 | 2.27 | 1.45 | 2.63 | 1.23 | 4.55 | 1.35 | | |
| 2897 | 3.20 | ESCPF 509 | 120. | 1.75 | 1.00 | 2.13 | 0.95 | 3.03 | 1.28 | 2.08 | 1.15 | 3.45 | 1.20 | | |
| 2897 | 3.20 | ESCPF 509 | 240. | 3.70 | 1.45 | 1.85 | 2.27 | 5.25 | 1.23 | 4.17 | 1.41 | 4.76 | 1.35 | | |
| 2897 | 3.20 | ESCPF 509 | 1440. | 1.92 | 1.27 | 2.00 | 1.43 | 3.57 | 1.14 | 2.27 | 1.23 | 3.45 | 1.45 | | |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|---------------------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 5034 | 1.00 | APRCH 488 | 120. | .03* | | .84 | .46 | .77 | .61 | 1.20 | .61 | 2.22 | .62 | 1.79 | .77 |
| 5034 | 1.00 | APRCH 488 | 240. | .07 | .39 | 2.13 | .74 | 2.44 | .74 | 3.70 | .78 | 3.03 | .65 | .05 | .43 |
| 5034 | 1.00 | APRCH 488 | 1440. | .06 | .29 | .42 | .94 | 3.03 | .60 | 2.44 | .75 | 3.13 | .70 | 1.45 | .79 |
| 5034 | 1.00 | APRCH 497 | 20.00 | .03* | | 2.13 | 1.03 | .81 | .87 | 2.63 | 1.11 | 1.27 | .92 | .18 | .45 |
| 5034 | 1.00 | APRCH 497 | 120. | 1.85 | .54 | .29 | .63 | 2.17 | .89 | 1.67 | .89 | .20 | .65 | 1.56 | .90 |
| 5034 | 1.00 | APRCH 497 | 240. | 2.70 | .72 | 2.00 | .92 | .74 | .83 | 2.50 | 1.05 | 1.41 | 1.01 | 2.22 | .89 |
| 5034 | 1.00 | APRCH 497 | 1440. | 2.56 | .46 | 1.54 | .84 | 2.94 | .95 | 2.04 | 1.01 | 2.94 | 1.11 | 1.22 | 1.11 |
| 5034 | 1.00 | AVOID 475 | 20.00 | 4.55 | .93 | 2.94 | .95 | 4.35 | 1.39 | 3.85 | 1.19 | 4.00 | 1.22 | 3.57 | 1.23 |
| 5034 | 1.00 | AVOID 475 | 120. | 3.70 | .76 | 3.45 | .85 | 2.44 | .86 | 3.03 | .88 | 2.17 | 1.18 | 3.33 | 1.37 |
| 5034 | 1.00 | AVOID 475 | 240. | 3.23 | .96 | 3.03 | .98 | 1.92 | .97 | 1.89 | 1.12 | 4.17 | 1.19 | 4.55 | 1.30 |
| 5034 | 1.00 | AVOID 475 | 1440. | 4.00 | .85 | 3.45 | .68 | 3.45 | .82 | 2.33 | .81 | 3.45 | 1.06 | 2.94 | 1.15 |
| 5034 | 1.00 | AVOID 502 | 20.00 | 1.72 | .83 | 3.45 | 1.19 | 3.03 | 1.11 | 3.85 | 1.33 | 3.70 | 1.41 | 3.70 | 1.32 |
| 5034 | 1.00 | AVOID 502 | 120. | .74 | .45 | 2.27 | 1.28 | 2.78 | 1.23 | 3.13 | 1.43 | 3.45 | 1.30 | 3.23 | 1.33 |
| 5034 | 1.00 | AVOID 502 | 240. | .50 | .83 | 2.70 | .97 | .80 | 1.11 | 3.57 | 1.54 | 4.35 | 1.41 | 4.17 | 1.32 |
| 5034 | 1.00 | AVOID 502 | 1440. | .34 | .81 | 2.78 | .72 | 3.45 | 1.19 | 3.45 | 1.30 | 3.33 | 1.16 | 2.00 | 1.30 |
| 5034 | 1.00 | ESCEP 505 | 20.00 | 3.33 | .93 | 4.35 | 1.19 | 5.88 | .99 | 5.00 | 1.27 | 5.00 | 1.22 | 2.78 | 1.28 |
| 5034 | 1.00 | ESCEP 505 | 120. | 4.55 | 1.22 | 6.25 | 1.32 | 1.96 | 1.32 | 3.45 | 1.23 | 2.56 | 1.30 | 4.17 | 1.18 |
| 5034 | 1.00 | ESCEP 505 | 240. | 2.94 | 1.32 | 3.85 | 1.54 | 2.63 | 1.49 | 4.17 | 1.54 | 4.00 | 1.10 | 4.00 | 1.15 |
| 5034 | 1.00 | ESCEP 505 | 1440. | 3.70 | 1.25 | 5.26 | .72 | 4.17 | 1.35 | 5.26 | 1.01 | 2.44 | 1.52 | 4.35 | 1.45 |
| 5034 | 1.00 | ESCEP 507 | 20.00 | 4.76 | 1.04 | 5.00 | 1.43 | 3.23 | 1.61 | 2.56 | 1.28 | 4.17 | 1.43 | 3.57 | 1.25 |
| 5034 | 1.00 | ESCEP 507 | 120. | 3.70 | 1.03 | 2.94 | 1.27 | 4.35 | 1.09 | 1.72 | 1.79 | 3.57 | 1.25 | 3.23 | 1.11 |
| 5034 | 1.00 | ESCEP 507 | 240. | 4.55 | 1.18 | 5.00 | 1.12 | 3.57 | 1.47 | 3.70 | 1.45 | 4.00 | 1.25 | 5.00 | 1.30 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | RAT
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|--------------|------------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 5034 | 1.00 | ESCP | 507 | 1440. | 2.70 | 1.06 | 4.76 | .94 | 4.55 | 1.22 | 4.35 | 1.67 | 4.76 | 1.49 | 3.33 | 1.51 |
| 5036 | 1.00 | APRCH | 488 | 20.00 | 2.08 | .41 | 1.56 | .72 | 2.33 | .76 | 4.00 | .66 | 3.57 | .85 | 1.22 | .32 |
| 5036 | 1.00 | APRCH | 488 | 120. | 2.27 | .51 | 3.45 | .74 | 1.67 | .69 | 3.33 | .83 | 3.57 | .77 | 2.08 | .69 |
| 5036 | 1.00 | APRCH | 488 | 240. | .99 | .61 | 2.86 | .83 | 3.70 | .83 | 3.33 | .89 | 2.78 | .80 | 2.78 | .84 |
| 5036 | 1.00 | APRCH | 488 | 1440. | .05 | .23 | 2.70 | .79 | 3.57 | .88 | 3.57 | .84 | 3.57 | .79 | 2.86 | .61 |
| 5036 | 1.00 | APRCH | 492 | 20.00 | 2.38 | .49 | 1.96 | .52 | 2.22 | .66 | 1.64 | .75 | 1.04 | .81 | 1.96 | .80 |
| 5036 | 1.00 | APRCH | 492 | 120. | 3.03 | .79 | .71 | .84 | 1.23 | .75 | 1.30 | .79 | 1.54 | .79 | 1.75 | .82 |
| 5036 | 1.00 | APRCH | 492 | 240. | 2.94 | .85 | 2.04 | .90 | 1.75 | .91 | 2.78 | .83 | 1.11 | .84 | 1.56 | .82 |
| 5036 | 1.00 | APRCH | 492 | 1440. | 2.27 | .65 | 2.04 | .93 | 2.08 | .84 | 1.82 | .79 | 1.30 | .89 | 4.35 | .71 |
| 5036 | 1.00 | AVOID | 475 | 20.00 | .56 | .78 | 2.27 | .76 | 1.47 | .92 | 2.56 | .98 | 2.50 | 1.15 | 3.13 | 1.11 |
| 5036 | 1.00 | AVOID | 475 | 120. | 3.13 | .64 | 1.64 | .75 | 2.78 | .88 | 3.70 | .86 | 3.03 | .94 | 4.17 | 1.28 |
| 5036 | 1.00 | AVOID | 475 | 240. | 2.50 | .52 | 3.03 | .79 | 3.45 | .90 | 3.70 | .93 | 3.33 | .98 | 3.45 | 1.11 |
| 5036 | 1.00 | AVOID | 475 | 1440. | 2.50 | .43 | 2.33 | .60 | 2.78 | .66 | 2.04 | .69 | 3.13 | .95 | 3.13 | 1.04 |
| 5036 | 1.00 | AVOID | 500 | 20.00 | 3.85 | 1.64 | 6.25 | 1.89 | 4.00 | 1.79 | 4.35 | 1.89 | 4.17 | 1.75 | 4.35 | 1.89 |
| 5036 | 1.00 | AVOID | 500 | 120. | 2.86 | .95 | 4.35 | 1.20 | 3.85 | 1.54 | 4.00 | 1.72 | 2.50 | 1.96 | 5.26 | 1.85 |
| 5036 | 1.00 | AVOID | 500 | 240. | 3.57 | 1.16 | 4.35 | 1.33 | 4.55 | 1.89 | 4.55 | 1.61 | 4.76 | 1.82 | 4.55 | 1.94 |
| 5036 | 1.00 | AVOID | 500 | 1440. | 2.86 | .69 | 3.85 | 1.25 | 4.55 | 1.67 | 3.85 | 1.72 | 4.35 | 1.59 | 5.26 | 1.67 |
| 5036 | 1.00 | ESCP | 505 | 20.00 | 5.00 | 1.41 | 3.33 | 1.15 | 2.70 | 1.54 | 4.55 | 1.20 | 2.38 | 2.04 | 4.17 | 1.30 |
| 5036 | 1.00 | ESCP | 505 | 120. | 3.45 | .79 | 2.94 | 1.30 | 4.17 | .99 | 2.70 | 1.22 | 3.45 | 1.00 | 3.70 | 1.14 |
| 5036 | 1.00 | ESCP | 505 | 240. | 3.33 | 1.33 | 5.26 | 1.25 | 3.23 | 1.20 | 4.55 | 1.61 | 5.00 | 1.15 | 5.56 | 1.51 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN | |
|----------|------------|---------------|------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------|
| 5036 | 1.00 | ESCP | 505 | 1440. | 2.63 | .89 | 4.76 | .88 | 4.55 | 1.25 | 2.44 | 1.35 | 4.76 | 1.14 | 5.56 | 1.10 |
| 5036 | 1.00 | ESCP | 509 | 20.00 | 2.00 | 1.23 | 3.33 | 1.41 | 4.55 | 1.45 | 1.96 | 1.69 | 4.76 | 1.54 | 2.78 | 1.33 |
| 5036 | 1.00 | ESCP | 509 | 120. | 3.70 | 1.20 | 3.57 | 1.56 | 4.17 | 1.45 | 3.45 | 1.32 | 2.50 | 1.22 | 3.33 | 1.23 |
| 5036 | 1.00 | ESCP | 509 | 240. | 3.85 | 1.56 | 3.70 | 1.11 | 5.26 | 1.27 | 5.26 | 1.25 | 3.85 | 1.43 | 2.94 | 1.59 |
| 5036 | 1.00 | ESCP | 509 | 1440. | 2.70 | 1.04 | 1.79 | 1.67 | 3.13 | 1.45 | 3.45 | 1.19 | 4.17 | 1.52 | 4.00 | 1.52 |
| 5049 | 3.20 | APRCH | 497 | 20.00 | .11 | .07 | 2.22 | 1.02 | 3.03 | .93 | 2.33 | 1.06 | 2.04 | .97 | 3.13 | .98 |
| 5049 | 3.20 | APRCH | 497 | 120. | 1.54 | .65 | 2.94 | 1.09 | 2.94 | 1.05 | 2.70 | 1.06 | 2.27 | 1.05 | 3.33 | 1.08 |
| 5049 | 3.20 | APRCH | 497 | 240. | 4.00 | .04 | 2.63 | 1.01 | 3.23 | 1.23 | 3.45 | 1.30 | 2.78 | 1.22 | 3.13 | 1.09 |
| 5049 | 3.20 | APRCH | 497 | 1440. | 2.94 | .70 | 2.38 | 1.04 | 1.25 | .90 | 2.22 | 1.06 | 3.03 | 1.14 | 3.33 | .79 |
| 5049 | 3.20 | APRCH | 492 | 20.00 | 3.23 | .79 | 2.63 | .87 | 1.16 | .88 | 2.78 | .90 | 3.13 | .92 | 2.44 | .92 |
| 5049 | 3.20 | APRCH | 492 | 120. | 2.27 | .93 | 2.22 | .99 | 2.27 | .94 | 2.33 | 1.00 | 3.13 | .93 | 2.63 | .95 |
| 5049 | 3.20 | APRCH | 492 | 240. | 2.38 | .27 | 2.44 | .21 | 2.94 | .99 | 3.33 | .86 | 2.13 | .90 | 2.08 | .90 |
| 5049 | 3.20 | APRCH | 492 | 1440. | 3.57 | .92 | 2.78 | .95 | 3.03 | 1.02 | 1.47 | .86 | 2.04 | .97 | 2.33 | .92 |
| 5049 | 3.20 | AVOID | 502 | 20.00 | 1.08 | .56 | 2.56 | 1.25 | 3.57 | 1.18 | 4.17 | 1.54 | 3.03 | 1.43 | 3.57 | 1.45 |
| 5049 | 3.20 | AVOID | 502 | 120. | 1.65 | .59 | 2.63 | 1.06 | 2.44 | 1.06 | 3.33 | 1.19 | 2.44 | 1.12 | 2.27 | .94 |
| 5049 | 3.20 | AVOID | 502 | 240. | 1.96 | .58 | 3.33 | 1.59 | 3.33 | .62 | 3.70 | 1.52 | 3.23 | 1.57 | 3.70 | 1.35 |
| 5049 | 3.20 | AVOID | 502 | 1440. | .41 | 1.12 | 3.45 | 1.19 | 3.33 | 1.37 | 2.86 | 1.25 | 3.23 | 1.20 | 2.94 | .95 |
| 5049 | 3.20 | AVOID | 504 | 20.00 | 3.03 | .95 | 3.85 | 1.43 | 4.35 | 1.43 | 4.00 | 1.43 | 3.13 | 1.67 | 3.57 | 1.41 |
| 5049 | 3.20 | AVOID | 504 | 120. | 4.00 | 1.85 | 3.70 | 1.82 | 3.23 | 1.96 | 3.85 | 1.92 | 3.13 | 2.08 | 3.57 | 1.54 |
| 5049 | 3.20 | AVOID | 504 | 240. | 3.57 | 1.35 | 4.17 | 1.59 | 3.85 | 1.82 | 4.17 | 2.00 | 4.17 | 1.69 | 3.57 | 1.92 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN | | | | | | |
|----------|------------|---------------|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------|------|------|------|------|
| 5049 | 3.20 | AVOID 504 | 1440. | 3.70 | 1.15 | 5.00 | 1.59 | 3.45 | 1.56 | 4.00 | 1.47 | 3.57 | 1.49 | 4.00 | 1.69 |
| 5049 | 3.20 | ESCPE 507 | 20.00 | 4.55 | 1.23 | 3.45 | 1.54 | 3.13 | 1.19 | 5.00 | 1.12 | 4.55 | 1.05 | 5.00 | 1.28 |
| 5049 | 3.20 | ESCPE 507 | 120. | 2.70 | .25 | 5.00 | .93 | 4.00 | .98 | 3.57 | 1.18 | 5.00 | .97 | 3.57 | 1.05 |
| 5049 | 3.20 | ESCPE 507 | 240. | 3.45 | .52 | 5.26 | 1.03 | 5.26 | 1.10 | 5.56 | 1.09 | 5.56 | 1.01 | 5.00 | 1.30 |
| 5049 | 3.20 | ESCPE 507 | 1440. | .38 | .66 | 5.56 | .99 | 5.88 | 1.19 | 5.26 | .88 | 3.23 | 1.15 | 4.55 | .97 |
| 5049 | 3.20 | ESCPE 509 | 20.00 | 3.33 | 1.06 | 4.35 | 1.32 | 3.33 | 1.25 | 3.57 | 1.35 | 4.00 | 1.47 | 5.26 | 1.15 |
| 5049 | 3.20 | ESCPE 509 | 120. | 4.76 | 1.32 | 4.76 | 1.37 | 3.23 | 1.19 | 4.55 | 1.37 | 3.85 | 1.28 | 4.17 | 1.14 |
| 5049 | 3.20 | ESCPE 509 | 240. | 2.86 | 1.45 | 3.70 | 1.39 | 4.35 | 1.30 | 5.00 | 1.54 | 3.23 | 1.49 | 5.56 | 1.56 |
| 5049 | 3.20 | ESCPE 509 | 1440. | 3.70 | 1.11 | 2.04 | 1.61 | 3.03 | 1.37 | 1.45 | 1.56 | 3.03 | 1.28 | 4.35 | 1.15 |
| 5104 | 3.20 | APRCH 488 | 20.00 | 3.57 | .92 | 2.38 | .97 | 2.94 | .85 | 2.38 | .86 | 3.70 | 1.00 | 3.57 | .93 |
| 5104 | 3.20 | APRCH 488 | 120. | 3.33 | .86 | 3.13 | .99 | 3.13 | .93 | 3.70 | .95 | 3.03 | .89 | 2.44 | 1.02 |
| 5104 | 3.20 | APRCH 488 | 240. | 2.17 | .70 | 4.35 | 1.11 | 4.55 | 1.11 | 3.45 | 1.03 | 3.85 | 1.14 | 3.57 | .93 |
| 5104 | 3.20 | APRCH 488 | 1440. | 2.86 | .66 | 3.45 | .94 | 3.45 | .90 | 2.78 | .84 | 3.33 | .76 | 3.45 | 1.06 |
| 5104 | 3.20 | APRCH 499 | 20.00 | 4.00 | .74 | 4.17 | .86 | 3.45 | .82 | 3.03 | .82 | 2.22 | .80 | 2.70 | .79 |
| 5104 | 3.20 | APRCH 499 | 120. | 3.57 | .79 | 3.85 | .90 | 2.33 | .85 | 2.94 | .83 | 3.23 | .94 | 2.33 | .89 |
| 5104 | 3.20 | APRCH 499 | 240. | 3.45 | .63 | 2.38 | .83 | 4.17 | .94 | 4.17 | .93 | 2.17 | .98 | 4.00 | .85 |
| 5104 | 3.20 | APRCH 499 | 1440. | 1.05 | .70 | 2.94 | 1.00 | 2.22 | .99 | 1.82 | .90 | 2.13 | .94 | 2.56 | .91 |
| 5104 | 3.20 | AVOID 471 | 20.00 | 2.70 | .79 | 2.70 | .85 | 2.63 | 1.00 | 3.33 | .98 | 2.63 | 1.10 | 3.45 | 1.25 |
| 5104 | 3.20 | AVOID 471 | 120. | 3.33 | .81 | 2.50 | 1.04 | 3.45 | 1.18 | 2.50 | 1.19 | 2.78 | 1.20 | 2.65 | 1.35 |
| 5104 | 3.20 | AVOID 471 | 240. | 1.85 | .36 | 2.33 | 1.06 | 2.38 | 1.22 | 2.17 | 1.28 | 2.44 | 1.33 | 3.45 | 1.41 |

MOTIVATION TESTS IN HOODED RATS
START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|----------|------------|---------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 5104 | 3.20 | AVOID 471 | 1440. | 2.13 | .39 | 2.50 | .76 | 3.03 | .81 | 3.23 | 1.06 | 3.33 | 1.10 | 4.00 | 1.22 |
| 5104 | 3.20 | AVOID 480 | 20.00 | 2.22 | .63 | 3.57 | .78 | 2.44 | .79 | 2.70 | .79 | 2.44 | .86 | 2.70 | .75 |
| 5104 | 3.20 | AVOID 480 | 120. | 2.13 | .62 | 1.23 | .70 | 1.59 | .72 | .97 | .69 | 1.03 | .98 | 3.03 | .89 |
| 5104 | 3.20 | AVOID 480 | 240. | 1.75 | .53 | 2.08 | .92 | 1.67 | 1.19 | 1.92 | 1.12 | 2.33 | 1.23 | 1.96 | 1.03 |
| 5104 | 3.20 | AVOID 480 | 1440. | .92 | .37 | 2.00 | .63 | 1.96 | .63 | 1.85 | .59 | .79 | .75 | 2.44 | .76 |
| 5104 | 3.20 | ESCPE 466 | 20.00 | 2.56 | 1.11 | 1.59 | 1.69 | 3.03 | 1.16 | 3.23 | 1.23 | 2.63 | 1.12 | 1.69 | 1.37 |
| 5104 | 3.20 | ESCPE 466 | 120. | 5.00 | 1.15 | 3.03 | 1.19 | 2.50 | 1.00 | 2.44 | 1.02 | 2.17 | .95 | 2.63 | 1.23 |
| 5104 | 3.20 | ESCPE 466 | 240. | 2.22 | 1.37 | 2.22 | 1.37 | 4.17 | 1.05 | 2.17 | .88 | 1.85 | 1.64 | 2.56 | 1.12 |
| 5104 | 3.20 | ESCPE 466 | 1440. | 3.45 | 1.02 | 3.70 | 1.15 | 2.78 | 1.15 | 2.86 | 1.15 | 3.33 | .94 | 3.85 | 1.23 |
| 5104 | 3.20 | ESCPE 487 | 20.00 | 3.70 | .99 | 3.03 | 1.28 | 3.33 | 1.33 | 3.03 | 1.30 | 1.82 | 1.69 | 2.86 | 1.49 |
| 5104 | 3.20 | ESCPE 487 | 120. | 3.13 | .91 | 2.17 | 1.15 | 1.45 | 1.43 | 2.08 | 1.08 | 1.69 | 1.55 | 2.27 | 1.19 |
| 5104 | 3.20 | ESCPE 487 | 240. | 2.44 | .88 | 3.23 | 1.45 | 3.03 | 1.45 | 2.33 | 1.82 | 2.08 | 1.72 | 3.13 | 1.47 |
| 5104 | 3.20 | ESCPE 487 | 1440. | 2.70 | .64 | 3.85 | .90 | 3.03 | .95 | 1.85 | 1.03 | 2.08 | 1.35 | 1.92 | 1.47 |
| 5124 | 3.20 | APRCH 488 | 20.00 | 2.33 | .85 | 3.45 | .89 | 3.23 | .86 | 3.57 | .88 | 3.33 | .85 | 2.53 | .91 |
| 5124 | 3.20 | APRCH 488 | 120. | 4.17 | .95 | 3.33 | .85 | 3.45 | .89 | 3.70 | 1.00 | 4.00 | .95 | 3.57 | .75 |
| 5124 | 3.20 | APRCH 488 | 240. | 4.00 | .65 | .63 | .88 | 2.04 | .76 | 3.23 | .84 | 2.78 | .94 | .10 | .79 |
| 5124 | 3.20 | APRCH 488 | 1440. | 4.17 | 1.00 | 3.03 | .91 | 4.00 | 1.09 | 1.25 | .83 | .30 | .75 | 2.70 | 1.03 |
| 5124 | 3.20 | APRCH 497 | 20.00 | 2.50 | .94 | 2.44 | .96 | 2.70 | 1.04 | 2.56 | .97 | 1.41 | 1.06 | 3.03 | .99 |
| 5124 | 3.20 | APRCH 497 | 120. | 2.86 | .98 | 2.63 | 1.06 | 3.03 | 1.11 | 3.13 | 1.08 | 3.03 | 1.03 | 2.50 | 1.03 |
| 5124 | 3.20 | APRCH 497 | 240. | 2.38 | .92 | 2.13 | 1.06 | 2.00 | 1.02 | 2.44 | 1.10 | 3.03 | 1.32 | 2.70 | 1.03 |

MOTIVATION TESTS IN HOODED RATS
START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|----------|------------|---------------|-------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| 5124 | 3.20 | APRCH 497 | 1440. | 2.44 | .82 | 2.94 | 1.05 | 1.96 | 1.16 | 1.28 | 1.16 | 2.63 | 1.16 | 2.78 | 1.16 |
| 5124 | 3.20 | AVOID 475 | 20.00 | 2.44 | .79 | 2.78 | .76 | 2.33 | .88 | 2.56 | .91 | 2.94 | 1.11 | 3.85 | 1.15 |
| 5124 | 3.20 | AVOID 475 | 120. | 1.54 | .56 | 2.70 | .79 | 2.17 | .87 | 1.56 | .78 | 3.03 | 1.12 | 2.63 | 1.09 |
| 5124 | 3.20 | AVOID 475 | 240. | 2.56 | .47 | 1.69 | .67 | 2.70 | .83 | 2.78 | .91 | 2.94 | 1.01 | 4.00 | 1.25 |
| 5124 | 3.20 | AVOID 475 | 1440. | 2.00 | .60 | 1.92 | .54 | 2.27 | .68 | 2.00 | .83 | 2.33 | 1.03 | 3.45 | 1.05 |
| 5124 | 3.20 | AVOID 502 | 20.00 | 3.45 | 1.41 | 2.63 | 1.33 | 2.94 | 1.33 | 3.70 | 1.39 | 3.03 | 1.27 | 2.44 | 1.04 |
| 5124 | 3.20 | AVOID 502 | 120. | .76 | .93 | 3.03 | 1.20 | 1.82 | 1.18 | 2.56 | 1.25 | 1.47 | 1.28 | 4.17 | 1.15 |
| 5124 | 3.20 | AVOID 502 | 240. | 5.88 | 1.69 | 2.86 | 1.41 | 3.23 | 1.47 | 2.94 | 1.33 | 2.08 | 1.54 | 2.50 | 1.28 |
| 5124 | 3.20 | AVOID 502 | 1440. | .27 | .79 | 1.69 | 1.05 | 1.61 | 1.10 | 2.78 | 1.23 | 2.63 | 1.22 | .97 | 1.12 |
| 5124 | 3.20 | ESCPE 506 | 20.00 | 5.00 | .96 | 2.38 | 1.18 | 3.70 | 1.06 | 3.85 | 1.45 | 4.55 | 1.08 | 6.25 | 1.09 |
| 5124 | 3.20 | ESCPE 506 | 120. | 3.33 | 1.08 | 4.76 | 1.30 | 3.70 | 1.22 | 3.70 | .74 | 4.55 | 1.16 | 5.00 | .99 |
| 5124 | 3.20 | ESCPE 506 | 240. | 4.17 | .14 | 3.70 | 1.02 | 3.33 | .75 | 5.88 | 1.08 | 5.26 | 1.00 | 5.00 | 1.16 |
| 5124 | 3.20 | ESCPE 506 | 1440. | 2.78 | .06 | 3.45 | .70 | 4.17 | 1.04 | 3.57 | .97 | 4.17 | 1.11 | 5.00 | 1.28 |
| 5124 | 3.20 | ESCPE 507 | 20.00 | 3.70 | .54 | 3.45 | .85 | 3.57 | 1.12 | 4.00 | 1.25 | 5.26 | 1.27 | 2.86 | 1.52 |
| 5124 | 3.20 | ESCPE 507 | 120. | 3.33 | 1.04 | 3.33 | 1.20 | 3.57 | 1.39 | 4.76 | 1.39 | 2.94 | 1.16 | 3.23 | 1.30 |
| 5124 | 3.20 | ESCPE 507 | 240. | 2.63 | 1.27 | 4.17 | 1.32 | 3.70 | 1.20 | 4.35 | 1.27 | 2.63 | 1.52 | 4.00 | 1.14 |
| 5124 | 3.20 | ESCPE 507 | 1440. | 3.03 | .45 | 4.00 | .70 | 3.45 | 1.19 | 3.85 | .90 | 4.35 | 1.33 | 5.56 | 1.43 |
| 5129 | 1.00 | APRCH 492 | 20.00 | 1.72 | .75 | 1.45 | .87 | .47 | .82 | 2.27 | .93 | 1.23 | .95 | .53 | .76 |
| 5129 | 1.00 | APRCH 492 | 120. | 1.69 | .92 | 1.92 | .86 | 1.45 | .79 | .36 | .69 | .93 | .72 | 1.61 | .86 |
| 5129 | 1.00 | APRCH 492 | 240. | 1.33 | .98 | 1.79 | .87 | .52 | .91 | 1.69 | .50 | 1.52 | .97 | .17 | .83 |

MOTIVATION TESTS IN HOODED RATS START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MC/KG | MOTIV RAT NO. | TIME | TRIAL 1 START | TRIAL 1 RUN | TRIAL 2 START | TRIAL 2 RUN | TRIAL 3 START | TRIAL 3 RUN | TRIAL 4 START | TRIAL 4 RUN | TRIAL 5 START | TRIAL 5 RUN | TRIAL 6 START | TRIAL 6 RUN |
|----------|------------|---------------|-------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| 5129 | 1.00 | APRCH 492 | 1440. | 2.08 | .97 | .76 | .86 | .98 | .92 | .52 | .91 | 2.38 | .97 | 1.96 | .76 |
| 5129 | 1.00 | APRCH 499 | 20.00 | 1.90 | .68 | 3.45 | .76 | 3.23 | .76 | 2.22 | .78 | 1.82 | .74 | 2.70 | .14 |
| 5129 | 1.00 | APRCH 499 | 120. | 2.38 | .82 | 3.23 | .90 | 2.94 | .83 | 2.86 | .85 | 3.85 | .88 | .52 | .80 |
| 5129 | 1.00 | APRCH 499 | 240. | 2.94 | .68 | 2.22 | .79 | 1.41 | .69 | 2.00 | .79 | 2.00 | .74 | 2.86 | .80 |
| 5129 | 1.00 | APRCH 499 | 1440. | 3.13 | .70 | 2.86 | .83 | 1.82 | .77 | 1.96 | .78 | 1.92 | .79 | 2.44 | .80 |
| 5129 | 1.00 | AVOID 504 | 20.00 | 2.38 | 1.45 | 2.86 | 1.52 | 4.00 | 1.41 | 3.57 | 1.47 | 3.33 | 1.82 | 2.94 | 1.54 |
| 5129 | 1.00 | AVOID 504 | 120. | 3.03 | 1.56 | 3.03 | 1.39 | 3.33 | 1.52 | 2.08 | 1.69 | 2.70 | 1.67 | 2.86 | 1.69 |
| 5129 | 1.00 | AVOID 504 | 240. | 2.22 | 1.35 | 3.33 | 1.75 | 1.45 | 3.33 | 2.50 | 1.82* | | | 2.38 | 2.27 |
| 5129 | 1.00 | AVOID 504 | 1440. | 2.56 | .51 | 1.82 | 2.33 | 1.92 | 1.75 | 3.33 | 1.79 | 2.86 | 1.54 | 2.94 | 1.96 |
| 5129 | 1.00 | AVOID 480 | 20.00 | 2.22 | .79 | 2.17 | 1.15 | 2.78 | 1.14 | 4.00 | .52 | 2.70 | .53 | 2.33 | .94 |
| 5129 | 1.00 | AVOID 480 | 120. | 2.50 | .78 | 1.79 | .95 | .54 | .88 | 2.50 | .76 | 2.50 | .85 | 2.38 | .85 |
| 5129 | 1.00 | AVOID 480 | 240. | 1.32 | .95 | 2.70 | .95 | 2.22 | .52 | 3.33 | 1.22 | 3.57 | 1.14 | 3.13 | .99 |
| 5129 | 1.00 | AVOID 480 | 1440. | 1.37 | .75 | 1.18 | .70 | 2.17 | .72 | 2.08 | .53 | 2.44 | .98 | 2.56 | .90 |
| 5129 | 1.00 | ESCPE 509 | 20.00 | 2.27 | 1.72* | | | 3.85 | 1.43 | 1.27 | 1.33 | 4.55 | 1.41 | 4.00 | 1.43 |
| 5129 | 1.00 | ESCPE 509 | 120. | 2.86 | 1.33 | 3.70 | 1.54 | 2.38 | .51 | 3.13 | .55 | 2.27 | 1.61 | 3.33 | 1.43 |
| 5129 | 1.00 | ESCPE 509 | 240. | 2.78 | 1.47 | 4.35 | 1.37 | 3.33 | 1.41 | 4.76 | 1.35 | 3.33 | 1.37 | 2.00 | 1.54 |
| 5129 | 1.00 | ESCPE 509 | 1440. | 2.22 | .53 | 2.86 | .51 | 4.17 | .52 | 3.70 | 1.15 | 1.85 | 1.28 | 2.70 | 1.23 |
| 5129 | 1.00 | ESCPE 487 | 20.00 | 5.00 | .52 | 2.38 | 1.28 | 2.22 | 1.39 | 5.00 | 1.23 | 4.35 | 1.45 | 5.56 | 1.33 |
| 5129 | 1.00 | ESCPE 487 | 120. | 5.00 | 1.16 | 4.55 | 1.32 | 5.88 | 1.32 | 5.56 | 1.25 | 5.56 | 1.25 | 1.47 | .93 |
| 5129 | 1.00 | ESCPE 487 | 240. | 5.56 | 1.20 | 4.76 | 1.22 | 2.33 | 1.45 | 4.76 | 1.18 | 4.35 | .52 | 5.56 | .54 |
| 5129 | 1.00 | ESCPE 487 | 1440. | 2.94 | .73 | 3.85 | 1.00 | 4.76 | .93 | 4.17 | .99 | 3.13 | .51 | 3.45 | .99 |

5129 3.20 APRCH 488 20.00 1.41 .25 3.57
RAT DID NOT COMPLETE RUN ON THIS TRIAL

5129 3.20 APRCH 488 20.00 1.41 .25 3.57
RAT DID NOT COMPLETE RUN ON THIS TRIAL

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
NO. | TIME | TRIAL 1 | | TRIAL 2 | | TRIAL 3 | | TRIAL 4 | | TRIAL 5 | | TRIAL 6 | |
|-------------|---------------|--------------|-------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|
| | | | | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN | START | RUN |
| 5211 | 3.20 | APRCH 488 | 120. | 4.00 | .60 | 4.35 | 1.06 | 4.17 | 1.04 | 3.85 | .98 | .73 | .47 | 4.17 | .83 |
| 5211 | 3.20 | APRCH 488 | 240. | 2.78 | .43 | 1.43 | .81 | 1.10 | .75 | 4.17 | .88 | 1.52 | .45 | 3.45 | .92 |
| 5211 | 3.20 | APRCH 488 | 1440. | 2.08 | .34 | 3.85 | .92 | 4.35 | .96 | 4.17 | .87 | 4.17 | .85 | .10 | .41 |
| 5211 | 3.20 | APRCH 499 | 20.00 | 5.00 | .65 | 5.26 | .80 | 4.76 | .83 | 3.57 | .69 | 5.00 | .78 | 4.35 | .77 |
| 5211 | 3.20 | APRCH 499 | 120. | 4.76 | .68 | 3.57 | .79 | 3.45 | .95 | 4.76 | .81 | 4.76 | .85 | 4.55 | .80 |
| 5211 | 3.20 | APRCH 499 | 240. | 4.17 | .63 | 2.94 | .81 | 4.55 | .72 | 4.55 | .86 | 3.57 | .81 | 1.47 | .64 |
| 5211 | 3.20 | APRCH 499 | 1440. | 4.00 | .45 | 4.00 | .79 | 4.55 | .75 | 4.35 | .81 | 4.17 | .76 | 4.17 | .81 |
| 5211 | 3.20 | AVOID 475 | 20.00 | 1.89 | .46 | 2.33 | .50 | 2.17 | .60 | 3.13 | .85 | 3.57 | .98 | 3.70 | 1.10 |
| 5211 | 3.20 | AVOID 475 | 120. | 3.23 | .75 | 2.78 | .78 | 2.63 | .78 | 1.69 | .93 | 3.57 | 1.11 | 3.03 | 1.06 |
| 5211 | 3.20 | AVOID 475 | 240. | 3.57 | .54 | 3.13 | .69 | 3.33 | .81 | 3.45 | .95 | 3.85 | 1.12 | 3.03 | 1.12 |
| 5211 | 3.20 | AVOID 475 | 1440. | 2.33 | .50 | 3.03 | .72 | 2.70 | .64 | 2.70 | .79 | 3.85 | 1.06 | 4.00 | 1.12 |
| 5211 | 3.20 | AVOID 480 | 20.00 | 2.70 | .67 | 3.33 | .88 | 3.85 | .89 | 3.03 | .96 | 2.63 | 1.06 | 2.63 | .87 |
| 5211 | 3.20 | AVOID 480 | 120. | 1.69 | .56 | 2.13 | 1.05 | 2.27 | .90 | 2.00 | .76 | 2.27 | 1.05 | 2.13 | .83 |
| 5211 | 3.20 | AVOID 480 | 240. | 2.63 | .85 | 3.45 | 1.10 | 2.94 | 1.00 | 3.57 | .78 | 2.13 | 1.06 | 3.45 | .95 |
| 5211 | 3.20 | AVOID 480 | 1440. | 1.69 | .38 | 1.83 | .67 | 2.08 | .73 | 2.44 | .55 | 1.64 | .87 | 2.27 | .64 |
| 5211 | 3.20 | ESCPE 505 | 20.00 | 5.56 | 1.11 | 6.23 | 1.28 | 2.85 | 1.23 | 5.00 | 1.06 | 3.70 | 1.16 | 3.70 | 1.06 |
| 5211 | 3.20 | ESCPE 505 | 120. | 4.00 | 1.23 | 2.33 | .58 | 2.66 | 1.14 | 5.00 | 1.33 | 4.76 | 1.19 | 5.56 | 1.14 |
| 5211 | 3.20 | ESCPE 505 | 240. | 5.00 | 1.10 | 5.00 | 1.23 | 5.88 | 1.27 | 5.26 | 1.30 | 5.88 | 1.22 | 5.26 | 1.06 |
| 5211 | 3.20 | ESCPE 505 | 1440. | 5.25 | 1.18 | 4.17 | 1.18 | 5.56 | 1.32 | 4.00 | 1.27 | 3.23 | 1.22 | 1.89 | 1.57 |
| 5211 | 3.20 | ESCPE 487 | 20.00 | 4.17 | 1.00 | 5.56 | 1.39 | 3.85 | 1.47 | 3.45 | 1.39 | 5.56 | 1.41 | 3.73 | 1.50 |
| 5211 | 3.20 | ESCPE 487 | 120. | 5.00 | .87 | 4.17 | 1.22 | 4.17 | 1.39 | 2.86 | 1.37 | 5.33 | 1.20 | 4.17 | 1.28 |
| 5211 | 3.20 | ESCPE 487 | 240. | 4.35 | 1.19 | 4.35 | 1.52 | 5.56 | 1.64 | 4.55 | 1.52 | 6.25 | 1.37 | 5.88 | 1.47 |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND NO. | DOSE MG/KG | MOTIV RAT NO. | TIME | TRIAL 1
START RUN | TRIAL 2
START RUN | TRIAL 3
START RUN | TRIAL 4
START RUN | TRIAL 5
START RUN | TRIAL 6
START RUN |
|----------|------------|---------------|-------|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| 5211 | 3.20 | ESCAPE 487 | 1440. | 5.56 1.04 5.88 1.20 5.26 1.41 5.26 1.22 5.26 1.19 1.37 | | | | | |
| 5212 | 01.00 | APRCH 496 | 20.00 | 2.56 .96 2.70 1.16 2.70 .99 3.45 1.15 3.13 1.06 1.25 | | | | | |
| 5213 | 01.00 | APRCH 496 | 120. | 4.17 1.08 3.85 1.16 3.85 1.25 4.17 1.23 3.03 1.19 1.22 | | | | | |
| 5214 | 01.00 | APRCH 496 | 240. | 4.35 1.04 4.00 1.22 3.23 1.19 3.03 .97 3.03 1.19 1.19 | | | | | |
| 5215 | 01.00 | APRCH 496 | 1440. | 3.70 1.16 3.45 1.22 4.76 1.28 4.00 1.32 4.00 1.23 1.27 | | | | | |
| 5216 | 1.00 | APRCH 499 | 20.00 | 3.85 .66 4.00 .83 4.55 .82 5.00 .86 2.22 .78 3.70 .85 | | | | | |
| 5217 | 1.00 | APRCH 499 | 120. | 4.17 .69 4.17 .88 4.17 .74 4.35 .80 3.33 .79 2.86 .86 | | | | | |
| 5218 | 1.00 | APRCH 499 | 240. | 4.17 .68 2.38 .82 2.50 .83 3.45 .84 2.38 .79 4.17 .80 | | | | | |
| 5219 | 1.00 | APRCH 499 | 1440. | 4.55 .73 2.70 .87 3.70 .88 4.76 .88 4.17 .96 1.64 .84 | | | | | |
| 5220 | 1.00 | AVOID 471 | 20.00 | 3.45 .24 3.57 1.06 1.41 1.25 3.45 1.41 2.78 1.32 2.86 1.41 | | | | | |
| 5221 | 1.00 | AVOID 471 | 120. | 2.94 .44 3.23 1.00 2.94 1.10 4.00 1.12 3.13 1.35 3.03 1.39 | | | | | |
| 5222 | 1.00 | AVOID 471 | 240. | 2.27 1.27 4.17 1.47 3.33 1.37 3.70 1.39 2.72 1.45 3.13 1.52 | | | | | |
| 5223 | 1.00 | AVOID 471 | 1440. | 3.33 .36 3.13 .83 4.00 .83 3.45 .96 3.57 1.08 3.03 1.35 | | | | | |
| 5224 | 1.00 | AVOID 480 | 20.00 | .23 1.59 2.38 1.06 3.13 1.00 2.50 .95 2.38 1.09 2.78 .67 | | | | | |
| 5225 | 1.00 | AVOID 480 | 120. | 2.22 .64 1.45 .70 2.13 .82 1.67 .92 1.64 1.11 1.01 .98 | | | | | |
| 5226 | 1.00 | AVOID 480 | 240. | 2.08 .94 2.38 1.41 3.23 1.18 3.13 1.00 3.03 1.11 2.08 1.00 | | | | | |
| 5227 | 1.00 | AVOID 480 | 1440. | 1.82 .39 1.59 .63 2.22 .76 2.70 .77 2.13 1.02 1.64 .92 | | | | | |
| 5228 | 1.00 | ESCAPE 466 | 20.00 | 4.55 1.16 3.85 1.20 4.17 1.20 1.89 1.19 3.57 1.18 1.75 1.37 | | | | | |

MOTIVATION TESTS IN HOODED RATS

START AND RUN SPEEDS IN RECIPROCAL SECONDS

| CPND
NO. | DOSE
MG/KG | MOTIV
RAT
NO. | TIME | TRIAL 1
START | TRIAL 1
RUN | TRIAL 2
START | TRIAL 2
RUN | TRIAL 3
START | TRIAL 3
RUN | TRIAL 4
START | TRIAL 4
RUN | TRIAL 5
START | TRIAL 5
RUN | TRIAL 6
START | TRIAL 6
RUN |
|-------------|---------------|---------------------|------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
| | 1.00 | ESCP | 466 | 120. | 4.55 | .89 | 4.00 | 1.11 | 4.76 | 1.05 | 2.17 | 1.19 | 1.75 | 1.64 | 1.37 |
| | 1.00 | ESCP | 466 | 240. | 4.00 | 1.32 | 2.70 | 1.56 | 2.13 | 1.18 | 2.33 | 1.19 | 3.85 | 2.63 | 1.33 |
| | 1.00 | ESCP | 466 | 1440. | 3.57 | 1.06 | 3.70 | 1.10 | 3.45 | 1.11 | 3.95 | 1.12 | 4.35 | 3.57 | 1.11 |
| | 1.00 | ESCP | 487 | 20.00 | 3.57 | .94 | .95 | .67 | .04 | 1.16 | 2.38 | 1.28 | 3.70 | 3.33 | 1.14 |
| | 1.00 | ESCP | 487 | 120. | 4.35 | 1.03 | 3.70 | 1.52 | 3.33 | 1.35 | 2.94 | 1.47 | 3.33 | 3.70 | 1.52 |
| | 1.00 | ESCP | 487 | 240. | 4.17 | 1.54 | 3.03 | 1.72 | 3.70 | 1.69 | 2.08 | 2.00 | 3.85 | 2.17 | 1.56 |
| | 1.00 | ESCP | 487 | 1440. | 2.70 | 1.27 | 2.78 | .68 | 1.89 | 1.05 | 2.04 | 1.16 | 1.53 | 1.67 | 2.22 |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2438U

| RAT NO. | DOSE | WT. | TIME | OBSERVATIONS |
|---------|-------|-----|-------|---|
| AND SEX | MG/KG | GM. | HOURS | |
| 489 M | 3.2 | 463 | 0.0 | NORMAL |
| | | | 0.25 | DECREASED LOCOMOTOR ACTIVITY
CONTINUALLY NUDGES REWARD DOOR
SLIGHTLY DISRUPTED PATTERN |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 517 M | 3.2 | 358 | 0.0 | NORMAL |
| | | | 0.25 | DECREASED LOCOMOTOR ACTIVITY
CONTINUALLY NUDGES REWARD DOOR
SLIGHTLY DISRUPTED PATTERN
RESPONSE TO LIGHT FLASH |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2615

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|---|
| 510 M | 0.32 | 342 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 517 M | 0.32 | 347 | 0.0 | CIRCLING |
| | | | 0.25 | NORMAL |
| | | | 2 | MODERATELY DISRUPTED PATTERN
AIMLESS WANDERING
INTERMITTENT RESPONSE TO LIGHT FLASH
INCREASED REARING UP SIDES OF CAGE |
| | | | 4 | AIMLESS WANDERING
HEAD SEARCHING
SHOVEL NOSE
REACHES FOR HOUSE LIGHT AT TOP OF CAGE
MODERATELY DISRUPTED PATTERN |
| | | | 24 | NORMAL |

ER05

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2776

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|-------------------------------|
| 491 M | 1.0 | 309 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | SLIGHTLY DISRUPTED PATTERN |
| | | | 4 | SNEEZING DUE TO WATER IN NOSE |
| | | | 24 | NORMAL |
| 517 M | 1.0 | 355 | 0.0 | NORMAL |
| | | | 0.25 | HESITATIONS |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2308

| RAY NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--------------------------------|
| 481 M | 3.2 | 452 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | INCREASED SENSITIVITY TO SOUND |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 517 M | 3.2 | 362 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | INCREASED SENSITIVITY TO SOUND |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2844

OBSERVATIONS

RAT NO. DOSE WT. TIME
AND SEX MG/KG GM. HOURS

48 M 10.0 455 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

514 M 10.0 352 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2850

OBSERVATIONS

RAT NO. DOSE WT. TIME
AND SEX MG/KG GN. HOURS

431 M 3.2 305 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

528 M 3.2 405 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

2851

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 485 M | 0.32 | 447 | 0.0 | NORMAL |
| | | | 0.25 | DISPLAYED SIGNS OF FEAR
GLASSY-EYED STARE
SNIFFS WHERE CAGE FLOOR AND SIDES MEET
SLIGHTLY DISRUPTED PATTERN
HEAD SEARCHING |
| | | | 2 | SAT ON REWARD PEDAL WITH HEAD OUT OF DOOR |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 514 M | 0.32 | 357 | 0.0 | GLASSY-EYED STARE |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA
SEQUENTIAL RESPONSE BEHAVIORAL TEST

2881

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|------------------------------|
| 52F H | 3.2 | 336 | 0.0 | NORMAL |
| | | | 0.25 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 2 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 52E H | 3.2 | 409 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST
 2897 (2ND SAMPLE)

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 517 M | 3.2 | 361 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | DECREASED LOCOMOTOR ACTIVITY
EXERTION TREMORS |
| 525 M | 3.2 | 340 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | INCREASED SCRATCHING
JUMPING |
| | | | | EXERTION TREMORS |
| | | | | NORMAL |
| | | | 20 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

5034

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GR. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 510 M | 1.0 | 337 | 0.0 | NORMAL |
| | | | 0.25 | EXTERNAL AUDITORY INTERFERENCE |
| | | | 2 | SLIGHTLY DISRUPTED PATTERN
RESPONSE TO LIGHT FLASH
AIMLESS WANDERING
REACHES FOR HOUSE LIGHT AT TOP OF CAGE |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 514 M | 1.0 | 354 | 0.0 | NORMAL |
| | | | 0.25 | DECREASED LOCOMOTOR ACTIVITY |
| | | | 4 | SAT ON REWARD PEDAL WITH HEAD OUT OF DOOR |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

5036

OBSERVATIONS

RAT NO. DOSE WT. TIME
AND SEX MG/KG GM. HOURS

491 M 1.0 314 0.0 NORMAL
 0.25 NORMAL
 2 NORMAL
 4 NORMAL
 24 NORMAL

525 M 1.0 342 0.0 NORMAL
 0.25 NORMAL
 2 NORMAL
 4 NORMAL
 24 NORMAL

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

5049

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 481 M | 3.2 | 450 | 0.0 | NORMAL |
| | | | 0.25 | HESITATED ON REWARD PEDAL WITH HEAD OUT OF DOOR |
| | | | 2 | SAT ON REWARD PEDAL WITH HEAD OUT OF DOOR
EXERTION TREMORS |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 517 M | 3.2 | 348 | 0.0 | NORMAL |
| | | | 0.25 | SLIGHTLY DISRUPTED PATTERN
SNIFFS WHERE CAGE FLOOR AND SIDES MEET
CIRCLING
AIMLESS WANDERING
JUMPING |
| | | | 2 | JUMPING
INCREASED SCRATCHING
INTERMITTENTLY DISRUPTED PATTERN |

SRBA
 SEQUENTIAL RESPONSE BEHAVIORAL TEST
 5104

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 489 M | 3.2 | 416 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | INCREASED SCRATCHING
SLIGHTLY DISRUPTED PATTERN |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 491 M | 3.2 | 299 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | INCREASED SCRATCHING |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA
SEQUENTIAL RESPONSE BEHAVIORAL TEST
5124

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--------------|
|--------------------|---------------|------------|---------------|--------------|

| | | | | |
|-------|-----|-----|------|--------|
| 487 H | 3.2 | 430 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

| | | | | |
|-------|-----|-----|------|--------|
| 491 M | 3.2 | 301 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | NORMAL |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

5129

OBSERVATIONS

RAT NO. DOSE WT. TIME
AND SEX MG/KG GM. HOURS

517 M 1.0 363 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

525 M 1.0 342 0.0 NORMAL
0.25 NORMAL
2 NORMAL
4 NORMAL
24 NORMAL

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

5211

OBSERVATIONS

RAT NO. DOSE WT. TIME OBSERVATIONS
AND SEX MG/KG GM. HOURS

491 M 3.2 302 0.0 NORMAL
 0.25 NORMAL
 2 NORMAL
 4 NORMAL
 24 NORMAL

510 M 3.2 341 0.0 NORMAL
 0.25 NORMAL
 2 NORMAL
 4 NORMAL
 24 NORMAL

SRBA

SEQUENTIAL RESPONSE BEHAVIORAL TEST

| RAT NO.
AND SEX | DOSE
MG/KG | WT.
GM. | TIME
HOURS | OBSERVATIONS |
|--------------------|---------------|------------|---------------|--|
| 510 M | 1.0 | 341 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | SEVERELY DISRUPTED PATTERN
SNIFFS WHERE CAGE FLOOR AND SIDES MEET
INCREASED LENGTH OF STRIDE
REACHES FOR HOUSE LIGHT AT TOP OF CAGE
RESPONSE TO LIGHT FLASH |
| | | | 4 | NORMAL |
| | | | 24 | NORMAL |
| 514 M | 1.0 | 359 | 0.0 | NORMAL |
| | | | 0.25 | NORMAL |
| | | | 2 | SNIFFS WHERE CAGE FLOOR AND SIDES MEET
SLIGHTLY DISRUPTED PATTERN
SHOVELNOSE
RESPONSE TO LIGHT FLASH
AIMLESS WANDERING
REACHES FOR HOUSE LIGHT AT TOP OF CAGE |
| | | | 4 | NORMAL |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | | |
|-----------|---|----------|-----|---------|-----|---------|-----|---------|-----|---------|-----|-----|----|----|-----|----|
| | RAT NO | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | | | | | | |
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | | | | | |
| 2776 | 517 | 15 | 65 | 40 | 23 | 77 | 40 | 25 | 82 | 37 | 17 | 62 | 45 | 20 | 74 | 43 |
| 1.00MG/KG | | 19 | 76 | 45 | 19 | 71 | 42 | 23 | 75 | 39 | 20 | 66 | 39 | 17 | 72 | 30 |
| | | 20 | 69 | 42 | 23 | 83 | 41 | 20 | 69 | 42 | 21 | 70 | 40 | 12 | 44 | 45 |
| MEAN | | 15 | 70 | 43 | 22 | 77 | 41 | 23 | 75 | 39 | 19 | 66 | 42 | 16 | 73 | 46 |
| 2776 | 491 | 27 | 90 | 39 | 36 | 121 | 40 | 27 | 92 | 41 | 25 | 83 | 40 | 33 | 111 | 41 |
| 1.00MG/KG | | 32 | 101 | 36 | 27 | 94 | 40 | 33 | 98 | 34 | 18 | 67 | 45 | 36 | 115 | 37 |
| | | 22 | 72 | 38 | 31 | 102 | 39 | 11 | 44 | 45 | 12 | 43 | 37 | 37 | 120 | 38 |
| MEAN | | 27 | 88 | 37 | 31 | 106 | 40 | 24 | 78 | 40 | 18 | 64 | 41 | 35 | 115 | 39 |
| 2808 | 481 | 25 | 97 | 46 | 24 | 88 | 45 | 16 | 77 | 56 | 20 | 81 | 51 | 17 | 75 | 55 |
| 3.20MG/KG | | 23 | 112 | 53 | 20 | 83 | 52 | 19 | 82 | 54 | 23 | 98 | 53 | 20 | 50 | 54 |
| | | 17 | 82 | 57 | 19 | 75 | 52 | 19 | 79 | 52 | 24 | 106 | 55 | 16 | 65 | 48 |
| MEAN | | 22 | 97 | 54 | 21 | 82 | 50 | 18 | 79 | 54 | 22 | 95 | 53 | 18 | 77 | 52 |
| 2808 | 517 | 30 | 108 | 44 | 26 | 103 | 45 | 26 | 108 | 50 | 27 | 99 | 45 | 25 | 109 | 53 |
| 3.20MG/KG | | 25 | 93 | 44 | 22 | 91 | 51 | 14 | 52 | 44 | 25 | 92 | 46 | 26 | 103 | 50 |
| | | 20 | 78 | 45 | 20 | 80 | 49 | 10 | 44 | 55 | 12 | 46 | 48 | 15 | 73 | 56 |
| MEAN | | 25 | 93 | 44 | 23 | 91 | 48 | 17 | 68 | 50 | 21 | 79 | 46 | 22 | 95 | 53 |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | | |
|--------------------|---|---------|--------|---------|--------|---------|--------|---------|---------|---------|-----|---------|-----|---------|-----|-----|
| | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | | | | | | | |
| | RAT NO | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | | |
| 2844
10.00MG/KG | 511 | 37 | 155 | 51 | 24 | 98 | 48 | 27 | 136 | 60 | 28 | 154 | 63 | 43 | 182 | 53 |
| | | 37 | 163 | 55 | 26 | 95 | 39 | 23 | 113 | 50 | 29 | 117 | 50 | 44 | 173 | 49 |
| | | 34 | 134 | 49 | 21 | 78 | 46 | 20 | 123 | 54 | 26 | 95 | 45 | 36 | 128 | 44 |
| | MEAN | | 36 | 151 | 51 | 24 | 87 | 44 | 25 | 124 | 55 | 28 | 122 | 53 | 41 | 161 |
| 2844
10.00MG/KG | 489 | 11 | 38 | 42 | 14 | 44 | 30 | 18 | 57 | 37 | 15 | 47 | 40 | 14 | 43 | 38 |
| | | 15 | 54 | 41 | 14 | 40 | 35 | 17 | 56 | 38 | 12 | 50 | 48 | 13 | 43 | 42 |
| | | 12 | 43 | 42 | 17 | 47 | 30 | 12 | 44 | 45 | 12 | 43 | 40 | 13 | 47 | 36 |
| | MEAN | | 13 | 45 | 42 | 15 | 44 | 31 | 16 | 52 | 40 | 13 | 47 | 43 | 13 | 46 |
| 2850
3.20MG/KG | 528 | 18 | 74 | 39 | 18 | 64 | 38 | 9 | 38 | 50 | 15 | 60 | 42 | 19 | 59 | 36 |
| | | 20 | 80 | 43 | 14 | 47 | 40 | 19 | 66 | 41 | 14 | 51 | 41 | 19 | 72 | 44 |
| | | 23 | 76 | 39 | 18 | 64 | 39 | 16 | 59 | 42 | 19 | 63 | 41 | 18 | 70 | 46 |
| | MEAN | | 20 | 77 | 40 | 17 | 58 | 39 | 15 | 54 | 44 | 16 | 58 | 41 | 19 | 67 |
| 2850
3.20MG/KG | 491 | 28 | 90 | 38 | 28 | 97 | 37 | 29 | 99 | 39 | 30 | 100 | 38 | 28 | 87 | 36 |
| | | 29 | 95 | 38 | 33 | 111 | 41 | 37 | 115 | 36 | 34 | 107 | 36 | 30 | 91 | 34 |
| | | 28 | 94 | 39 | 23 | 78 | 40 | 24 | 78 | 37 | 32 | 102 | 36 | 26 | 77 | 32 |
| | MEAN | | 28 | 93 | 38 | 28 | 95 | 39 | 30 | 97 | 37 | 32 | 103 | 37 | 28 | 85 |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | RAT NO | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | |
|-----------------|--------|---|-----|---------|-----|---------|-----|---------|-----|---------|-----|-----|----|----|-----|----|
| | | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | | | | | | |
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | | | | | |
| 2051
32MG/KG | 469 | 14 | 47 | 40 | 5 | 24 | 58 | 6 | 21 | 43 | 11 | 40 | 45 | 13 | 43 | 44 |
| | | 13 | 49 | 45 | 10 | 32 | 38 | 12 | 43 | 37 | 13 | 43 | 40 | 15 | 49 | 41 |
| | | 16 | 50 | 42 | 12 | 43 | 40 | 15 | 53 | 36 | 14 | 45 | 38 | 14 | 43 | 43 |
| | MEAN | 14 | 49 | 42 | 9 | 33 | 43 | 11 | 39 | 39 | 13 | 43 | 41 | 14 | 41 | 42 |
| | | | | | | | | | | | | | | | | |
| 2051
32MG/KG | 514 | 38 | 153 | 51 | 28 | 133 | 57 | 28 | 105 | 47 | 33 | 126 | 48 | 42 | 144 | 41 |
| | | 42 | 150 | 43 | 28 | 126 | 56 | 25 | 99 | 43 | 19 | 83 | 54 | 42 | 122 | 48 |
| | | 29 | 116 | 49 | 22 | 97 | 55 | 22 | 89 | 48 | 26 | 105 | 50 | 21 | 78 | 45 |
| | MEAN | 36 | 140 | 48 | 26 | 119 | 56 | 25 | 98 | 48 | 26 | 105 | 51 | 35 | 115 | 44 |
| | | | | | | | | | | | | | | | | |
| 2051
32MG/KG | 525 | 45 | 143 | 35 | 42 | 129 | 35 | 29 | 89 | 35 | 39 | 126 | 37 | 51 | 160 | 36 |
| | | 47 | 147 | 35 | 30 | 95 | 34 | 19 | 58 | 34 | 26 | 84 | 37 | 42 | 129 | 36 |
| | | 47 | 146 | 34 | 28 | 87 | 33 | 23 | 75 | 32 | 18 | 54 | 31 | 31 | 98 | 35 |
| | MEAN | 46 | 145 | 35 | 33 | 104 | 34 | 24 | 74 | 34 | 28 | 88 | 35 | 41 | 120 | 36 |
| | | | | | | | | | | | | | | | | |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | RAT NO | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | |
|-------------------|--------|---|------|--------|-----|--------|-----|--------|------|---------|-----|------|-----|-----|------|-----|
| | | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | | | | | | |
| | | RWD | PCT | RWD | PCT | RWD | PCT | RWD | PCT | RWD | PCT | RWD | PCT | | | |
| 2881
3.20MG/KG | 523 | 8. | 39. | 54. | 11. | 42. | 45. | 10. | 38. | 45. | 12. | 44. | 36. | 16. | 52. | 37. |
| | | 16. | 57. | 39. | 19. | 57. | 32. | 12. | 43. | 40. | 13. | 52. | 42. | 17. | 62. | 40. |
| | | 13. | 52. | 38. | 14. | 44. | 34. | 11. | 38. | 39. | 14. | 58. | 40. | 17. | 60. | 38. |
| | MEAN | 12. | 49. | 44. | 15. | 48. | 37. | 11. | 40. | 41. | 13. | 51. | 39. | 17. | 53. | 38. |
| 2897
3.20MG/KG | 525 | 42. | 126. | 33. | 45. | 135. | 33. | 31. | 93. | 33. | 38. | 118. | 35. | 46. | 133. | 33. |
| | | 30. | 94. | 37. | 30. | 90. | 34. | 20. | 63. | 35. | 24. | 70. | 31. | 26. | 84. | 33. |
| | | 37. | 115. | 35. | 22. | 100. | 25. | 17. | 64. | 44. | 18. | 61. | 34. | 14. | 41. | 32. |
| | MEAN | 36. | 112. | 35. | 32. | 108. | 31. | 23. | 73. | 37. | 27. | 83. | 34. | 29. | 88. | 33. |
| 2897
3.20MG/KG | 517 | 20. | 92. | 51. | 21. | 90. | 53. | 20. | 76. | 47. | 19. | 79. | 49. | 14. | 72. | 47. |
| | | 19. | 84. | 54. | 22. | 94. | 52. | 20. | 91. | 55. | 24. | 100. | 52. | 11. | 84. | 49. |
| | | 19. | 83. | 52. | 21. | 105. | 56. | 20. | 93. | 52. | 22. | 111. | 59. | 13. | 85. | 55. |
| | MEAN | 19. | 86. | 52. | 21. | 96. | 54. | 20. | 87. | 51. | 22. | 97. | 53. | 13. | 80. | 50. |
| 5034
1.00MG/KG | 514 | 37. | 149. | 50. | 29. | 119. | 51. | 20. | 80. | 49. | 19. | 79. | 52. | 45. | 162. | 44. |
| | | 30. | 119. | 50. | 29. | 110. | 47. | 32. | 111. | 42. | 28. | 100. | 44. | 46. | 159. | 41. |
| | | 35. | 126. | 44. | 26. | 94. | 45. | 30. | 110. | 43. | 28. | 94. | 38. | 33. | 129. | 49. |
| | MEAN | 34. | 131. | 48. | 28. | 108. | 48. | 27. | 100. | 45. | 25. | 91. | 45. | 41. | 150. | 45. |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | RAT NO | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | 24 HOUR | | | |
|-----------|--------|---|-----|---------|-----|---------|-----|---------|-----|
| | | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | |
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT |
| 5034 | 510 | 31 | 100 | 30 | 101 | 41 | 13 | 52 | 46 |
| 1.00MG/KG | | 30 | 100 | 29 | 98 | 40 | 13 | 85 | 39 |
| | | 30 | 99 | 39 | 80 | 48 | 10 | 84 | 37 |
| MEAN | | 30 | 103 | 27 | 93 | 43 | 12 | 74 | 41 |
| 5036 | 525 | 19 | 61 | 16 | 48 | 33 | 17 | 60 | 33 |
| 1.00MG/KG | | 12 | 40 | 19 | 57 | 33 | 21 | 69 | 36 |
| | | 23 | 70 | 36 | 55 | 35 | 13 | 49 | 39 |
| MEAN | | 18 | 58 | 18 | 53 | 34 | 17 | 50 | 36 |
| 5036 | 491 | 26 | 96 | 30 | 102 | 42 | 23 | 78 | 36 |
| 1.00MG/KG | | 22 | 90 | 28 | 90 | 38 | 28 | 80 | 39 |
| | | 27 | 85 | 38 | 69 | 38 | 19 | 65 | 38 |
| MEAN | | 27 | 92 | 40 | 87 | 39 | 23 | 77 | 38 |
| 5049 | 517 | 25 | 90 | 27 | 93 | 42 | 28 | 96 | 40 |
| 3.20MG/KG | | 31 | 110 | 44 | 103 | 43 | 16 | 80 | 43 |
| | | 30 | 106 | 38 | 90 | 52 | 12 | 38 | 45 |
| MEAN | | 29 | 103 | 42 | 79 | 46 | 19 | 71 | 42 |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | | | |
|---|--------|----------|------|-----|--------|------|-----|--------|------|-----|--------|------|-----|---------|------|-----|
| CPND | RAT NO | PRE DOSE | | | 15 MIN | | | 2 HOUR | | | 4 HOUR | | | 24 HOUR | | |
| | | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT | RWD | TOT | PCT |
| 5049
3.20MG/KG | 481 | 24. | 93. | 41. | 22. | 96. | 54. | 15. | 60. | 47. | 18. | 65. | 45. | 21. | 71. | 41. |
| | | 24. | 82. | 44. | 20. | 64. | 38. | 23. | 102. | 44. | 23. | 80. | 40. | 30. | 97. | 38. |
| | | 31. | 114. | 45. | 20. | 68. | 40. | 28. | 87. | 36. | 11. | 37. | 41. | 32. | 103. | 38. |
| | MEAN | 25. | 98. | 41. | 21. | 76. | 44. | 24. | 83. | 42. | 13. | 61. | 42. | 23. | 90. | 39. |
| 5104
3.20MG/KG | 491 | 30. | 94. | 36. | 38. | 115. | 34. | 31. | 98. | 36. | 27. | 83. | 35. | 29. | 87. | 33. |
| | | 30. | 93. | 34. | 38. | 122. | 38. | 34. | 110. | 38. | 32. | 101. | 38. | 30. | 111. | 30. |
| | | 36. | 108. | 33. | 38. | 113. | 33. | 24. | 78. | 36. | 27. | 85. | 35. | 32. | 98. | 31. |
| | MEAN | 32. | 98. | 35. | 38. | 117. | 35. | 30. | 95. | 37. | 29. | 90. | 36. | 32. | 99. | 34. |
| 5104
3.20MG/KG | 489 | 11. | 40. | 45. | 12. | 40. | 40. | 14. | 44. | 36. | 12. | 42. | 43. | 14. | 43. | 33. |
| | | 12. | 42. | 43. | 13. | 52. | 38. | 10. | 43. | 47. | 13. | 42. | 38. | 15. | 53. | 42. |
| | | 12. | 44. | 43. | 13. | 47. | 38. | 13. | 45. | 40. | 17. | 53. | 36. | 18. | 64. | 44. |
| | MEAN | 12. | 42. | 44. | 13. | 46. | 39. | 12. | 44. | 41. | 14. | 46. | 39. | 16. | 53. | 40. |
| 5124
3.20MG/KG | 489 | 13. | 45. | 42. | 14. | 48. | 42. | 11. | 42. | 48. | 13. | 45. | 42. | 18. | 57. | 35. |
| | | 15. | 52. | 38. | 15. | 55. | 44. | 15. | 46. | 35. | 17. | 52. | 37. | 17. | 60. | 37. |
| | | 14. | 44. | 36. | 14. | 50. | 40. | 15. | 54. | 41. | 14. | 48. | 40. | 18. | 58. | 38. |
| | MEAN | 14. | 47. | 39. | 14. | 51. | 42. | 14. | 47. | 41. | 15. | 48. | 39. | 18. | 58. | 37. |

SEQUENTIAL RESPONSE TEST IN HOODED RAYS

| CPND | | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | | |
|------|-----------|---|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|-----|----|
| RAT | | 15 MIN | | | | 2 HOUR | | | | 4 HOUR | | | | 24 HOUR | | | |
| NO | PRE DOSE | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | | |
| 5124 | 3.20MG/KG | 492 | 23 | 93 | 30 | 36 | 113 | 36 | 28 | 90 | 36 | 26 | 82 | 37 | 28 | 88 | 34 |
| | | 32 | 101 | 36 | 41 | 131 | 37 | 36 | 108 | 34 | 33 | 103 | 35 | 35 | 110 | 35 | |
| | | 36 | 112 | 36 | 35 | 113 | 37 | 31 | 100 | 39 | 29 | 88 | 34 | 32 | 97 | 34 | |
| | | MEAN | 32 | 102 | 36 | 37 | 119 | 37 | 32 | 99 | 36 | 29 | 91 | 35 | 32 | 98 | 35 |
| 5129 | 1.00MG/KG | 517 | 14 | 50 | 42 | 14 | 45 | 36 | 15 | 47 | 36 | 16 | 60 | 45 | 16 | 66 | 52 |
| | | 16 | 53 | 38 | 16 | 57 | 40 | 13 | 66 | 55 | 19 | 92 | 59 | 14 | 62 | 55 | |
| | | 16 | 54 | 39 | 14 | 54 | 43 | 20 | 73 | 49 | 19 | 82 | 54 | 14 | 53 | 45 | |
| | | MEAN | 15 | 52 | 40 | 15 | 52 | 40 | 17 | 62 | 47 | 18 | 78 | 52 | 15 | 60 | 51 |
| 525 | 1.00MG/KG | 525 | 42 | 129 | 34 | 28 | 85 | 34 | 39 | 126 | 35 | 36 | 113 | 35 | 41 | 126 | 35 |
| | | 24 | 72 | 33 | 25 | 78 | 36 | 27 | 86 | 36 | 31 | 104 | 40 | 29 | 89 | 35 | |
| | | 8 | 30 | 43 | 24 | 73 | 34 | 24 | 73 | 34 | 20 | 74 | 43 | 33 | 107 | 36 | |
| | | MEAN | 25 | 77 | 37 | 26 | 79 | 35 | 30 | 95 | 35 | 29 | 97 | 40 | 34 | 107 | 35 |
| 510 | 3.20MG/KG | 510 | 12 | 54 | 52 | 15 | 53 | 43 | 13 | 57 | 51 | 19 | 67 | 42 | 12 | 53 | 45 |
| | | 17 | 62 | 40 | 20 | 65 | 34 | 21 | 67 | 37 | 20 | 67 | 39 | 19 | 66 | 39 | |
| | | 22 | 70 | 39 | 21 | 64 | 30 | 18 | 66 | 44 | 20 | 67 | 37 | 19 | 76 | 41 | |
| | | MEAN | 17 | 62 | 44 | 19 | 61 | 36 | 17 | 63 | 44 | 20 | 67 | 39 | 17 | 65 | 42 |

SEQUENTIAL RESPONSE TEST IN HOODED RATS

| CPND | NUMBER OF REWARDS RESPONSES AND PER CENT ERRORS FOR FIVE MINUTE INTERVALS | | | | | | | | | | | | | | | |
|-----------|---|----------|-----|---------|-----|---------|-----|---------|-----|---------|-----|-----|----|-----|-----|----|
| | RAT NO | PRE DOSE | | 15 MIN | | 2 HOUR | | 4 HOUR | | 24 HOUR | | | | | | |
| | | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | RWD TOT | PCT | | | | | |
| 3.20MG/KG | 451 | 22 | 43 | 30 | 102 | 41 | 25 | 97 | 42 | 31 | 102 | 39 | 27 | 92 | 42 | |
| | | 29 | 93 | 33 | 115 | 42 | 27 | 99 | 43 | 25 | 116 | 37 | 24 | 105 | 38 | |
| | | 25 | 79 | 37 | 127 | 43 | 30 | 104 | 41 | 25 | 84 | 39 | 28 | 97 | 41 | |
| | MEAN | 27 | 89 | 40 | 115 | 42 | 27 | 100 | 44 | 30 | 101 | 39 | 30 | 100 | 40 | |
| 1.00MG/KG | 514 | 41 | 140 | 44 | 32 | 124 | 48 | 27 | 112 | 51 | 28 | 99 | 41 | 38 | 133 | 40 |
| | | 39 | 138 | 43 | 31 | 122 | 49 | 20 | 83 | 52 | 28 | 104 | 45 | 35 | 141 | 50 |
| | | 24 | 82 | 38 | 22 | 91 | 49 | 10 | 45 | 53 | 22 | 86 | 45 | 36 | 140 | 46 |
| | MEAN | 35 | 120 | 42 | 28 | 112 | 49 | 19 | 80 | 53 | 23 | 96 | 44 | 36 | 145 | 49 |
| 1.00MG/KG | 510 | 29 | 100 | 37 | 28 | 102 | 42 | 21 | 71 | 39 | 24 | 87 | 39 | 26 | 93 | 40 |
| | | 28 | 99 | 37 | 30 | 93 | 35 | 27 | 88 | 39 | 24 | 85 | 41 | 33 | 111 | 40 |
| | | 24 | 85 | 42 | 26 | 93 | 41 | 5 | 25 | 52 | 32 | 111 | 42 | 31 | 102 | 39 |
| | MEAN | 27 | 96 | 39 | 26 | 96 | 40 | 18 | 61 | 43 | 27 | 94 | 41 | 30 | 102 | 40 |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number--2438B: (soln. H₂O I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|---|
| F3
Female | 18.50 | 650 | 0.00 | In shuttle box: crouch; quiet; alert
Normal reactions to all stimuli cues |
| | | | 0.20 | Normal reactions to all stimuli cues |
| | | | 0.30 | On attempted handling by experiment
plastic immobility; incoordination;
balance poor; grasp good; eyes unable
to fixate to visual cue; pupils
normal; reacts to light by attempted
orientation responses. |
| | | | 0.35 | No improvement. |
| | | | 0.40 | Improvement; better locomotor coordination;
proper visual fixation to cues |
| | | | 0.45 | Often leans head to one side (abnormal
posture); alert response to sound cues
balance still poor; in unusual
belly-down flat position with head
oriented at 45°L upwards; glassy
stare fixated on ceiling. |
| | | | 0.50 | Same as above; palpebral closure;
still in spread-out, head-up
position. |
| | | | 0.60 | Very slow, halting locomotion;
anorexic; palpebral closure;
palpebral opening to sound cue. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number-- 2438B: (soln. H₂O I.V.) continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|---|
| F3
Female | 18.50 | | 0.70 | Still postures with head angled upward; palpebral closure; palpebral opening on sound is only reaction; balance still poor. |
| | | | 0.80 | Head down (sleep-sedation?); no response to sound. |
| | | | 0.90 | Head up, fixates on ceiling; glassy stare. |
| | | | 1.05 | Anorexic; fear responses to experimenter; locomotion much improved; balance better. |
| | | | 2.20 | Eats apple; fear response to experimenter; locomotion good (coordinated). |
| | | | 2.50 | Normal reactions to all stimuli cues. |
| | | | 4.00 | Normal reactions to all stimuli cues. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number- 2438B: (soln. H₂O I.V.) continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|---|
| F3
Female | 18.50 | | 0.70 | Still postures with head angled upward; palpebral closure; palpebral opening on sound is only reaction; balance still poor. |
| | | | 0.80 | Head down (sleep-sedation?); no response to sound. |
| | | | 0.90 | Head up, fixates on ceiling; glassy stare. |
| | | | 1.05 | Anorexic; fear responses to experimenter; locomotion much improved; balance better. |
| | | | 2.20 | Eats apple; fear response to experimenter; locomotion good (coordinated). |
| | | | 2.50 | Normal reactions to all stimuli cues. |
| | | | 4.00 | Normal reactions to all stimuli cues. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number--[REDACTED] 2438B: (soln. H₂O I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|---|
| F5
Female | 10 | 710 | 0.00 | In shuttle box: alert;
tail groom. |
| | | | 0.10 | Alert; sneeze; groom;
coordinated locomotion;
pupillary response normal. |
| | | | 0.15 | Constant sneezing; nose to grill. |
| | | | 0.20 | Sneeze; normal coordination of
locomotion; groom; alert;
crouch, head down. |
| | | | 0.25 | Quiet; crouch; alert;
locomotion good. |
| | | | 0.30 | Locomotion good; coordinated. |
| | | | 0.40 | Alert; normal response to all
stimuli cues. |
| | | | 0.50 | Normal response to all
stimuli cues. |
| | | | 0.70 | Normal response to all
stimuli cues. |
| | 5
(15) cumulative | | 0.75 | Very slight momentary balance
loss during locomotion; crouch. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--2438B: (soln. H₂O I.V.) continued

| <u>Monkey
Sex & No</u> | <u>Dose
mg/kg</u> | <u>Weight
-g-</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|--------------------------------|-----------------------|-----------------------|----------------------|---|
| F5
Female | 5
(15) cumulative | | 0.90 | Normal response to all stimuli cues. |
| | | | 1.00 | Normal response to all stimuli cues. |
| | | | 1.30 | Normal response to all stimuli cues. |
| | | | 24.00 | Home cage: normal response to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--2438B: (soln. H₂O I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|--|
| G
Male | 14.00 | 772 | 0.00 | Negative reinforcement shuttle;
no spontaneous locomotion; fast
response to cues; first in
shuttle order. |
| | | | 0.10 | Sits apart; quiet; alert;
pupillary response normal;
first in shuttles. |
| | | | 0.20 | Still sits apart; alert;
crouch; locomotion good;
shuttles properly. |
| | | | 0.30 | Normal response to all
stimuli cues. |
| | | | 0.40 | Normal response to all
stimuli cues. |
| | | | 0.60 | Normal response to all
stimuli cues. |
| | | | 0.80 | Positive reinforcement shuttle;
some grooming; mostly crouch;
alert. |
| | | | 0.85 | Alert; sits apart; crouch. |
| | | | 0.90 | Grooming; contact crouch;
huddling. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS
ON SQUIRREL MONKEYS

Compound Number-2438B: (soln. H₂O I.V.) continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|---|
| G
Male | 14.00 | | 1.00 | More movement; normal response to all stimuli cues. |
| | | | 1.20 | Normal response to all stimuli cues. |
| | | | 1.30 | Normal response to all stimuli cues. |
| | | | 1.40 | Normal response to all stimuli cues. |
| | | | 4.00 | Home cage: normal response to all stimuli cues. |
| | | | 24.00 | Home cage: normal response to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS
ON SOUIRREL MONKEYS

Compound Number--[REDACTED] 2615: (soln. 0.5% Methylcellulose-I.V.)

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|--|
| 77
Female | 37.33 | 645 | 0.05 | In shuttle box--on removing from injection tube: complete prostration; deep labored breathing; mouth opens rhythmically with breathing small "peep" noise on expiration. |
| | | | 0.10 | Breathing ceased; artificially revived. |
| | | | 0.15 | Died. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number- 2776: (soln. 100% PEG 300 I.V.)

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|--|
| F8
Female | 11.60 | 543 | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.10 | Normal reactions to all stimuli cues; (contact) (huddle) behavior. |
| | | | 0.30 | Crouch; palpebral closure; normal reactions to all stimuli cues. |
| | | | 0.50 | Same as above; normal. |
| | | | 0.90 | Same as above; normal. |
| | | | 1.00 | Normal reactions to all stimuli cues. |
| | | | 2.00 | Normal reactions to all stimuli cues. |
| | | | 24.00 | In home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS
ON SQUIRREL MONKEYS

Compound Number--[REDACTED] 2808: (soln. 1/10N HCL I.V.)

| <u>Monkey
Sex. & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|----------------------------------|-----------------------------|----------------------|----------------------|---|
| F6
Female | | 645 | Pre-Dose | In shuttle box: monkey approaches, not flees when experimenter nears. |
| | 4.04 | | 0.00 | Normal responses to all stimuli cues. |
| | | | 0.20 | Alert; coordinated locomotion; pupillary response normal; normal reactions to all stimuli cues. |
| | | | 0.40 | Same as above; normal. |
| | | | 0.60 | Same as above; normal. |
| | 8.08
(12.12) cumulative | | 1.20 | Normal reactions to all stimuli cues. |
| | | | 1.40 | Same as above; normal. |
| | | | 1.60 | Same as above; normal. |
| | 16.16
(23.28) cumulative | | 2.60 | Normal reactions to all stimuli cues. |
| | | | 2.70 | Same as above; normal. |
| | | | 3.00 | Normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-2808: (soln. 1/10N HCL I.V.) continued

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|--|
| F6 | 16.16 | | 3.40 | Normal reactions to all stimuli cues. |
| Female | (28.28) cumulative | | 3.60 | Same as above; normal. |
| | | | 4.00 | Home cage: normal reactions to all stimuli cues. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-2850: (soln. H₂O I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|---------------|--------------|--------------|--|
| A2
Male | 31.25 | 764 | 0.00 | In shuttle box: immediate vertical nystagmus; tonic convulsions; prostration. |
| | | | 0.20 | Ataxia; faulty equilibrium; poor visual orientation-fixation; pupillary response normal. |
| | | | 0.30 | Crouch; emesis; head down. |
| | | | 0.40 | Emesis; eyes shut; crouch posture. |
| | | | 0.45 | Escape reaction to experimenter; no light cue response; improved general activity. |
| | | | 0.60 | Shuttles to light cue; alert; good orientation (proper fixation). |
| | | | 0.70 | Alert; normal reactions to all stimuli cues. |
| | | | 0.75 | Hind leg stand; exploration; proper shuttle and escape responses; eats apple. |
| | | | 0.80 | Normal reactions to all stimuli cues. |
| | | | 1.00 | Home cage: normal behavior. |
| | | | 24.00 | Home cage: normal behavior. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number- 2850: (soln. H₂O I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|---------------------|----------------------|---|
| G
Male | 10.0 | 728 | 0.00 | Negative reinforcement shuttle:
all monkeys shuttle after
shock. |
| | | | 0.30 | Pupillary response normal;
crouch; alert; normal huddle;
shuttles on cue. |
| | | | 0.50 | Quiet; all huddle (normal);
crouch; G still first in all
shuttles (normal). |
| | | | 0.70 | Same as above: normal. |
| | | | 0.80 | Positive reinforcement shuttle;
G first all the time; crouch;
alert and quiet in between. |
| | | | 1.00 | No change in behavior or
shuttle order. |
| | | | 1.20 | G still first; alert; cues
properly; crouch. |
| | | | 1.50 | (End) no change. |
| | | | 4.00 | Negative reinforcement shuttle;
G first; crouch; quiet; alert. |
| | | | 4.20 | G first all the time; quiet;
crouch. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--~~2850~~: (soln. H₂O I.V.) continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|--|
| G
Male | 10.0 | | 4.40 | G first all the time; quiet;
crouch. Normal. |
| | | | 4.60 | (End) No change. |
| | | | 4.75 | Positive reinforcement shuttle-
G reacts well to cue; fast;
eats reward. |
| | | | 4.80 | G shuttles readily; G first
all the time; crouch;
alert in between. |
| | | | 5.20 | (End) G always first; crouch;
huddle; alert. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--2850: (soln. H₂O I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|---|
| G
Male | 15.0 | 715 | 0.00 | Negative reinforcement shuttle;
alert; head orientations;
active; seeks contact. |
| | | | 0.05 | G fast; pupillary response
normal; cues properly; alert;
now sits apart from group. |
| | | | 0.10 | G fast and alert. Normal
behavioral response between
shuttles. |
| | | | 0.15 | Same as above; normal. |
| | | | 0.20 | Crouch; alert. |
| | | | 0.25 | G cues properly; alert;
overall activity as above;
normal. |
| | | | 0.30 | Same as above: normal. |
| | | | 0.60 | Positive reinforcement shuttle;
self-inspection(groom). |
| | | | 0.65 | G first to shuttle; normal. |
| | | | 0.70 | Normal. |
| | | | 0.80 | Normal. |
| | | | 0.90 | G fast; alert. |
| | | | 1.20 | Normal reactions to all
stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--2851: (soln. 1/10N HCL I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|-----------------------------|--------------|--------------|---|
| F2
Female | 8.96 | 685 | 0.00 | In shuttle box: alert;
coordinated locomotion;
normal reactions to all
stimuli cues. |
| | | | 0.20 | Normal reactions to all
stimuli cues. |
| | | | 0.40 | Same as above; normal. |
| | | | 0.60 | Same as above; normal. |
| | | | 1.20 | Normal reactions to all
stimuli cues. |
| | 17.92
(26.88) cumulative | | 1.50 | Increased locomotory activity;
slow spontaneous shuttles;
walk. |
| | | | 2.00 | Increased locomotion; slow
coordinated movements; proper
reactions to investigator,
light, sound, shock. |
| | | | 2.20 | Same as above; normal. |
| | | | 2.40 | Pupillary response normal;
normal reactions to all
stimuli cues. |
| | | | 2.60 | Normal; self-grooming. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-- [REDACTED] 2851: (soln. 1/10N HCL 1.V.) continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|--|
| F2 | 26.88 | | 2.70 | Crouch; quiet; alert. |
| Female | (53.76) cumulative | | 2.30 | Normal reactions to all stimuli cues. |
| | | | 3.00 | Same as above; normal. |
| | | | 3.50 | Same as above; normal. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number-- 2867: (soln. H₂O. SQ)

| <u>Monkey</u>
<u>Sex & Age</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|--|
| B.
Male | | 910 | Pre-
Dose | Pulse: 300-400/minute
Respirations: 100/minute
Pupil size and reflex normal. |
| | 2.00 | | 0.00 | In shuttle box: normal reactions
to all stimuli cues. |
| | | | 0.20 | Shuttled to light cue. |
| | | | 0.30 | Shuttling spontaneously five
times/minute; appearance and
behavior normal. |
| | | | 0.40 | Shuttled to light cue. |
| | | | 1.10 | Appearance and behavior normal;
reduced locomotory activity. |
| | 4.00
(6.00) cumulative | | 1.90 | Normal reactions to all
stimuli cues. |
| | | | 2.20-
2.30 | Generally sitting very still;
shuttled spontaneously three
times in four minutes. |
| | | | 2.40 | Behavior as at previous interval;
awake and alert; shuttled to
light cue; pupil size and reflex
normal. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number-2867: (soln. H₂O SQ) continued

| Monkey
Sex & No. | Dose
mg/kg | Weight
g | Time
hrs. | Effects |
|---------------------|----------------------------|-------------|--------------|---|
| B
Male | 8.00
(14.00) cumulative | | 3.10 | Normal reactions to all stimuli cues. |
| | | | 3.20 | Pupils seem constricted. |
| | | | 3.30 | Shuttled to light cue (response to light cue delayed); movement slightly slow and awkward. |
| | | | 3.70 | Pulse: 300/minute
Respirations: 72/minute
Pupils: constricted
Did not shuttle to light cue or to high electric shock; sat bent-over as if in distress. |
| | | | 4.30 | Head hung low, face on floor. |
| | | | 4.50 | Movements sluggish; shuttled to light cue and to electric shock, but only if doors closed, then opened after cue or shock; shuttled spontaneously a little. |
| | | | 4.70 | Salivation. |
| | | | 21.70 | Appearance and behavior normal; shuttled spontaneously at normal rate; pupil size and reflex normal. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS
ON SQUIRREL MONKEYS

Compound Number- [REDACTED] 2881: (soln. 0.5% Methylcellulose I.V. and I.P.)

| Monkey
Sex & No | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|--------------------|------------------------------------|--------------|--------------|---|
| F5
Female | 7.40
I.V. | 720 | 0.00 | In shuttle box: reactions perfect; eats well. |
| | | | 0.20 | Locomotion coordinated; alert; pupillary response normal. |
| | | | 0.40 | Same as above; normal. |
| | | | 0.60 | Same as above; normal. |
| | | | 1.00 | Same as above; normal. |
| | 7.40
I.P.
(14.80) cumulative | | 1.50 | Excellent locomotion; normal reactions to all stimuli cues. |
| | | | 1.70 | Same as above; normal. |
| | | | 1.90 | Same as above; (grooming) normal. |
| | | | 2.00 | Same as above; normal. |
| | | | 2.20 | Eats apple. |
| | | | 4.70 | Normal reactions to all stimuli cues. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number-- 5034: (soln. H₂O-I.V.)

| <u>Monkey.</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|--|-----------------------------|----------------------------|----------------------------|---|
| F2
Female | 0.71,
(2.13) cumulative | 670 | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.20 | In shuttle box: normal reactions to all stimuli cues. Pupillary responses normal. |
| | | | 0.40 | Normal reactions to all stimuli cues. |
| | | | 0.60 | Normal reactions to all stimuli cues. |
| | | | 0.70 | Alert; self-grooming; good locomotor coordination. |
| | | | 0.80 | Normal; active. |
| | | | 1.00 | Good reactions to light, sound, shock, experimenter; palpebral closure. |
| | | | 1.20 | Normal responses to all stimuli cues. |
| | | | 1.30 | Normal responses to all stimuli cues. |
| | | | 1.70 | Face rub; crouch. |
| | | | 1.90 | Slow orientation reaction to light; good locomotion; normal reaction to sound, shock; normal fear response to experimenter. |
| | | | | |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-- 5034: (soln. H₂O-I.V.) continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------------|
| F2 | 2.13 | | 2.00 | Normal reactions to all stimuli c |
| Female | (4.26) cumulative | | 2.10 | Eats apple; normal. |
| | | | 2.30 | Normal reactions to all stimuli c |
| | | | 2.70 | Normal reactions to all stimuli c |
| | | | 3.10 | Normal reactions to all stimuli c |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--5034: (soln. 0.5% Methylcellulose I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|---------------|--------------|-----------------------------|--|
| F3
Female | 9.30 | 645 | 0.00 | In shuttle box: normal reactions
all stimuli cues. |
| | | | 0.10 | Pupillary responses normal; normal
reactions to all stimuli cues. |
| | | | 0.20 | Normal reactions to all stimuli cu |
| | | | 0.60 | Normal reactions to all stimuli cu |
| | | | 18.60
(27.90) cumulative | 1.00 Normal reactions to all stimuli cu |
| | | | 1.20 | Eats well; normal reactions to all
stimuli cues. |
| | | | 1.40 | Normal reactions to all stimuli cu |
| | | | 1.80 | Normal reactions to all stimuli cu |
| | | | 3.00 | Normal reactions to all stimuli cu |
| | | | 5.00 | Normal reactions to all stimuli cu |
| | | | 24.00 | Home cage: normal reactions to al
stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number--5036: (soln. H₂O I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|---------------------------|----------------------|----------------------|---|
| F3
Female | 2.71 | 635 | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.10 | Pupillary response normal; alert; crouch; groom; perfect locomotion. |
| | | | 0.30 | Very good reactions to light, sound, shock, investigator; eats apple. |
| | | | 0.50 | Same as above; normal. |
| | 5.43
(8.14) cumulative | | 0.70 | Normal reactions to all stimuli cues. |
| | | | 0.80 | Good reactions to all stimuli cues; locomotion coordinated; alert. |
| | | | 0.90 | Same as above; normal; self-groom. |
| | | | 1.10 | Normal reactions to all stimuli cues. |
| | | | 1.40 | Same as above; normal. |
| | | | 1.60 | Same as above; normal. |
| | | | 3.30 | Same as above; normal. |
| | | | 5.30 | Same as above; normal. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-██████████5049: (soln. 0.5% Methylcellulose I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|-----------------------------|--------------|--------------|---|
| F4
Female | 2.40
I.V. | 670 | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.05 | Pupillary response normal. |
| | | | 0.35 | Normal reactions to all stimuli cues; eats food. |
| | | | 0.50 | Same as above; alert; locomotion coordinated. |
| | | | 1.50 | Same as above; quick; locomotion excellent. |
| | | | 1.70 | Same as above; normal reactions to all stimuli cues. |
| | | | 1.80 | Normal reactions to all stimuli cues. |
| | | | 2.00 | Normal reactions; eats; exploratory behavior. |
| | | | 2.20 | Quiet (normal); eats food. |
| | | | 2.40 | Normal reactions to all stimuli cues. |
| | | | 2.60 | Normal reactions to all stimuli cues. |
| | | | | |
| | 9.50
(11.90) cumulative | | | |
| | 19.00
(30.90) cumulative | | | |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-- 5049: (soln. 0.5% Methylcellulose I.V.)

continued

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|---|
| F4
Female | 19.00
(30.90) cumulative | | 2.80 | Pupillary response normal;
general behavior unchanged. |
| | | | 3.0 | Eats apple; normal reactions to
all stimuli cues. |
| | | | 3.40 | Normal reactions to all
stimuli cues. |
| | | | 4.00 | Same as above; normal. |
| | | | 24.00 | Home cage: normal reactions to
all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYSCompound Number- 5058: (soln. H₂O SQ)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|---------------------------|----------------------|----------------------|---|
| B
Male | | 870 | Pre-
dose | Pulse: 222/minute
Respirations: 90/minute
Pupil size and reflex normal
Appearance and behavior normal. |
| | 1.00 | | 0.00 | In shuttle box: normal reactions
to all stimuli cues. |
| | | | 0.20-
0.30 | Shuttled spontaneously at mean
rate of nine times/minute;
appearance and behavior normal. |
| | | | 0.50 | General exploratory behavior;
shuttling; standing; looking
around; hand manipulation of
floor. |
| | | | 1.10 | Pulse: 252/minute
Respirations: 96/minute
Pupil size and reflex normal. |
| | 2.20
(3.20) cumulative | | 1.10 | Normal reactions to all
stimuli cues. |
| | | | 1.10-
1.30 | Decreased activity. |
| | | | 1.30 | Previous shuttling activity
resumed. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS
ON SQUIRREL MONKEYS

Compound Number- █████ 5058: (soln. H₂O SQ) continued

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|---------------------------|----------------------|----------------------|---|
| B
Male | 4.50
(7.70) cumulative | | 1.80 | Normal reactions to all stimuli cues. |
| | | | 1.90 | Pulse: 264/minute
Respirations: 78/minute
Pupil size and reflex normal. |
| | | | 1.80-
2.30 | Continual contact huddling;
minimal locomotory activity;
awake; alert; appearance and
behavior normal generally. |
| | | | 2.30-
2.80 | Increasing locomotory activity. |
| | | | 2.80 | Shuttling spontaneously eight
times/minute. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-- 5113: (soln. 0.5% Methylcellulose I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|-----------------------------|--------------|--------------|--|
| F3
Female | 16.0 | 625 | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.05 | Very active; spontaneous locomotion; self-grooming; definite increase in number of shuttles. |
| | | | 0.20 | Eats; active; normal reactions to all stimuli cues. |
| | | | 0.40 | Same as above; normal. |
| | | | 0.60 | Same as above; normal. |
| | | | 0.80 | Natural shuttles; normal. |
| | | | 1.00 | Immediate increase in overall activity; eats. |
| | | | 1.10 | Alert; eats; good coordination of motor activity. |
| | | | 1.30 | Palpebral closures; arouses and reacts normally to all stimuli cues. |
| | 32.00
(48.00) cumulative | | 1.50 | Normal; locomotion good. |
| | | | 1.70 | Same as above; normal. |
| | | | 1.90 | Same as above; normal. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS -ON SQUIRREL MONKEYS

Compound Number- 5113: (soln. 0.5% Methylcellulose I.V.)

continued

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|-----------------------------|--------------|--------------|---|
| F3
Female | 32.00
(48.00) cumulative | | 2.10 | Normal reactions to all stimuli
cues. |
| | | | 2.30 | Same as above; normal. |
| | | | 4.00 | Normal reactions to all stimuli
cues. |
| | | | 24.00 | Home cage: normal reactions to
all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-- 5113: (soln. 0.5% Methylcellulose I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|---|
| G
Male | 2.00 | 805 | 0.00 | In shuttle box: negative reinforcement; G quick; alert; self-groom; first in shuttle. |
| | | | 0.20 | Normal behavior during intervals. |
| | | | 0.40 | Alert; normal reactions to all stimuli cues. |
| | | | 0.60 | Normal; quick movements; cue response excellent. |
| | | | 0.80 | Quick reaction to stimuli. |
| | | | 1.00 | (Positive reinforcement shuttle): normal. |
| | | | 1.20 | Crouch; alert. |
| | | | 1.40 | Movements quick; responses normal. |
| | | | 1.60 | Locomotion quick; some palpebral closure. |
| | | | 2.00 | Normal reactions to all stimuli cues. |
| | | | 4.00 | Home cage: normal. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONS
ON SQUIRREL MONKEYS

Compound Number--~~5129~~ 5129: (soln. H₂O I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|----------------------------|--------------|--------------|---|
| F5
Female | 4.40 | 680 | 0.00 | In shuttle box: good locomotion response to shock; crouch; contact huddle; alert; good visual orientation - fixation. |
| | | | 0.20 | Pupillary response normal; normal reactions to all stimuli cues. |
| | | | 0.30 | Eats apple; sluggish movements. |
| | | | 0.40 | Quick reaction to sound; very frightened (possibly sedated?) (slow?). |
| | | | 0.45 | Crouch; palpebral closure; alert; eats apple. |
| | 5.80
(10.20) cumulative | | 0.90 | Quiet; crouch; alert. |
| | | | 1.00 | Normal reactions to all stimuli cues. |
| | | | 1.10 | Slight anterior-posterior rocking movement during crouch; however, alert; anorexic. |
| | | | 1.15 | Crouch; head down; palpebral closure; alert to sound, shock, cues; normal escape reaction to investigator. |
| | | | | |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number- 5129: (soln. H₂O I.V.) continued

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|--|
| F5
Female | 5.80 | | 1.40 | Alert to sound; crouch;
palpebral closure. |
| | (10.20) cumulative | | | |
| | 7.40 | | 1.60 | Increased locomotory activities. |
| | (17.60) cumulative | | | |
| | | | 1.70 | Good grasp reflex; normal
reactions to sound, light. |
| | | | 1.75 | Normal escape reaction to
investigator; still anorexic;
crouch; head down; palpebral
closure. |
| | | | 2.00 | Palpebral closure; quick to
react to stimuli, however. |
| | | | 2.10 | Very quick; nervous; escape
reaction to investigator. |
| | | | 2.20 | Palpebral closures; alert to sound |
| | | | 2.30 | Normal reactions to all
stimuli cues. |
| | | | 2.60 | Same as above; normal. |
| | | | 3.00 | Same as above; normal. |
| | | | 6.00 | Home cage: normal. |
| | | | 24.00 | Home cage: normal reactions to
all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--5211: (soln. 0.5% Methylcellulose I.V.)

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|----------------------------|----------------------|----------------------|---|
| F2
Female | 2.34 | 676 | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.20 | Pupillary response normal; alert; active; normal reactions to all stimuli cues. |
| | | | 0.30 | Same as above; normal. |
| | | | 0.90 | Same as above; normal. |
| | 4.68
(7.02) cumulative | | 1.05 | Eats; normal reactions to all stimuli cues. |
| | | | 1.25 | Crouch (normal); normal reactions to all stimuli cues. |
| | | | 1.45 | Same as above; normal; eats. |
| | | | 1.55 | Same as above; normal. |
| | | | 2.00 | Normal reactions to all stimuli cues. |
| | 5.59
(12.61) cumulative | | 2.20 | Normal; eats. |
| | | | 2.40 | Good locomotion; self-groom; eats. |
| | | | 2.60 | Same as above; normal. |
| | | | 2.70 | Same as above; normal. |
| | | | 3.00 | Normal reactions to all stimuli cues. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number--●9346-29: (soln. H₂O I.V.)

| Monkey
Sex & No. | Dose
mg/kg | Weight
g. | Time
hrs. | Effects |
|---------------------|---------------|--------------|--------------|--|
| F6
Female | | 645 | Pre-dose | Temperature--101.8 ° F
Pulse--188/minute
Respirations--68/minute
Pupil size--1.5mm |
| | 5.55 | | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.20 | Alert; normal reaction to sound, light, experimenter ; no reaction to shock.
Temperature--101.4 ° F
Pulse--228/minute
Respirations--80/minute
Pupil size--1.5mm |
| | | | 0.30 | Normal reactions to light, sound; no reaction to shock; good locomotion-escape to experimenter. |
| | | | 0.40 | Same as above; no change. |
| | | | 0.50 | Slight bob to shock; all else normal. |
| | | | 0.55 | Better shock reaction; lifts hands. |
| | | | 0.60 | Normal reactions to light, sound; alert; twitch to shock. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number-- 9346-29: (soln. H₂O I.V.) continued

| <u>Monkey
Sex & No.</u> | <u>Dose
mg/kg</u> | <u>Weight
g.</u> | <u>Time
hrs.</u> | <u>Effects</u> |
|---------------------------------|-----------------------|----------------------|----------------------|--|
| F6
Female | 5.55 | | 0.61 | Jerk--escape reaction to shock |
| | | | 0.80 | Escape reaction to shock. |
| | | | 1.50 | Escape--jump reaction to shock |
| | | | 1.80 | Alert; active; ignores apple. |
| | | | 2.00 | Temperature--100.8° F
Pulse--212/minute
Respirations--76/minute
Pupil size--1.5mm |
| | | | 3.00 | Normal reactions to all
stimuli cues. |
| | | | 24.00 | Normal reactions to all
stimuli cues. |

PHYSICAL, NEUROLOGICAL, AND BEHAVIORAL EXAMINATIONSON SQUIRREL MONKEYS

Compound Number- 9346-37: (soln. H₂O I.V.)

| <u>Monkey</u>
<u>Sex & No.</u> | <u>Dose</u>
<u>mg/kg</u> | <u>Weight</u>
<u>g.</u> | <u>Time</u>
<u>hrs.</u> | <u>Effects</u> |
|---------------------------------------|-----------------------------|----------------------------|----------------------------|--|
| F5
Female | | 708 | Predose | Temperature: 101.6° F.
Pulse: 228/minute
Respirations: 88/minute
Pupil size: 1.0mm |
| | 10.45 | | 0.00 | In shuttle box: normal reactions to all stimuli cues. |
| | | | 0.20 | Normal; exploratory behavior; alert; self-grooming.
Temperature: 101.4° F.
Pulse: 228/minute
Respirations: 80/minute
Pupil size: 1.0mm |
| | | | 0.30 | Crouch; palpebral closure; self-groom. |
| | | | 0.35 | Eats apple; normal. |
| | | | 0.40 | Same as above; normal. |
| | | | 0.60 | Normal reactions to all stimuli cues. |
| | | | 2.00 | Normal.
Temperature: 101.4° F.
Pulse: 220/minute
Respirations: 72/minute
Pupil size: 1.0mm |
| | | | 4.00 | Home cage: normal. |
| | | | 24.00 | Home cage: normal reactions to all stimuli cues. |

EFFECT OF TEST COMPOUNDS ON DOMINANCE BEHAVIOR OF SQUIRREL MONKEYS

| Compound Number | Monkey Sex & No. | Dose mg/kg | Rein-forcement | Hour from Injection | Number of Shuttles | | | | | | | | | | | |
|-----------------|------------------|------------|----------------|---------------------|--------------------|---|---|---|--------|----|---|----|-------|---|---|---|
| | | | | | First | | | | Second | | | | Third | | | |
| | | | | | G | R | T | G | R | T | G | R | T | G | R | T |
| 2850 | Male G | 10.0 SQ | N.R. | Pre-injection | 10 | 0 | 0 | 0 | 4 | 6 | 0 | 6 | 4 | | | |
| | | | | 0.00-0.70 | 9 | 0 | 1 | 0 | 2 | 8 | 1 | 8 | 1 | | | |
| | | | | 4.00-4.60 | 10 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 0 | | | |
| | | | P.R. | Pre-injection | 10 | 0 | 0 | 0 | 4 | 6 | 0 | 6 | 4 | | | |
| | | | | 0.80-1.50 | 10 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 0 | | | |
| | | | | 4.65-5.20 | 10 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 0 | | | |
| | | 15.0 SQ | N.R. | Pre-injection | 10 | 0 | 0 | 0 | 5 | 5 | 0 | 5 | 5 | | | |
| | | | | 0.00-0.30 | 9 | 0 | 1 | 0 | 8 | 2 | 1 | 2 | 7 | | | |
| | | | | | | | | | | | | | | | | |
| | | | P.R. | Pre-injection | 9 | 0 | 1 | 0 | 4 | 6 | 1 | 6 | 3 | | | |
| | | | | 0.60-1.20 | 10 | 0 | 0 | 0 | 6 | 4 | 0 | 4 | 6 | | | |
| | | | | | | | | | | | | | | | | |

EFFECT OF TEST COMPOUNDS ON DOMINANCE BEHAVIOR OF SQUIRREL MONKEYS

| Compound Monkey
Number | Sex & No. | Dose
mg/kg | Rein-
forcement | Hour from
Injection | Number of Shuttles | | | | | | | | |
|---------------------------|-----------|---------------|--------------------|------------------------|--------------------|---|---|--------|----|---|-------|---|----|
| | | | | | First | | | Second | | | Third | | |
| | | | | | G | R | T | G | R | T | G | R | T |
| 5058 | Male
G | 7.7
SQ | N.R. | Pre-
injection | 12 | 0 | 0 | 0 | 10 | 2 | 0 | 2 | 10 |
| | | | | 0.20-0.60 | 12 | 0 | 0 | 0 | 11 | 1 | 0 | 1 | 11 |
| | | | | 4.50-4.90 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| | | | | P.R. | 12 | 0 | 0 | 0 | 8 | 4 | 0 | 4 | 8 |
| | | | | Pre-
injection | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| | | | | 4.00-4.40 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |

| | | | | | | | | | | | | | |
|-------|-----------|------------|------|-------------------|----|---|---|---|---|---|---|---|---|
| 2438B | Male
G | 14.0
SQ | N.R. | Pre-
injection | 10 | 0 | 0 | 0 | 8 | 2 | 0 | 2 | 8 |
| | | | | 0.00-0.70 | 10 | 0 | 0 | 0 | 9 | 1 | 0 | 1 | 9 |
| | | | | P.R. | 10 | 0 | 0 | 0 | 4 | 6 | 0 | 6 | 4 |
| | | | | 0.80-1.40 | 10 | 0 | 0 | 0 | 1 | 9 | 0 | 9 | 1 |

EFFECT OF TEST COMPOUNDS ON DOMINANCE BEHAVIOR OF SQUIRREL MONKEYS

| Compound Monkey
Number | Sex & No. | Dose
mg/kg | Rein-
forcement | Hour from
Injection | Number of Shuttles | | | | | | | | |
|---------------------------|-----------|---------------|--------------------|------------------------|--------------------|---|---|--------|---|---|-------|---|---|
| | | | | | First | | | Second | | | Third | | |
| | | | | | G | R | T | G | R | T | G | R | T |
| 5113 | Male
G | 2.0
SQ | N.R. | Pre-
injection | 10 | 0 | 0 | 0 | 8 | 2 | 0 | 2 | 8 |
| | | | | | 10 | 0 | 0 | 0 | 8 | 2 | 0 | 2 | 8 |
| | | | | | 9 | 1 | 0 | 0 | 1 | 9 | 1 | 8 | 1 |
| | | | P.R. | Pre-
injection | 10 | 0 | 0 | 0 | 2 | 8 | 0 | 8 | 2 |
| | | | | | 10 | 0 | 0 | 0 | 2 | 8 | 0 | 8 | 2 |

EFFECT OF COMPOUNDS ON BLOOD PRESSURE, HEART RATE AND

RESPIRATION AFTER ADMINISTRATION TO CHLORALOSE CATS

| Compound | Dose
mg/kg | Mean Blood Pressure
mm Hg | Change in
Heart Rate
beats/min | Respiration | Remarks |
|----------|--------------------|------------------------------|--------------------------------------|---------------|---|
| 58-53 | 1.0
3.3 | -23
-11 | 0
+24 | 0
0 | |
| 58-91 | 0.5
1.7
3.1 | 0
-5
-21 | 0
0
+12 | 0
0
0 | |
| | 0.3
1.0
3.3 | -33
-54
-76 | 0
0
0 | 0
0
0 | EKG voltage increased
EKG voltage increased
EKG voltage increased |
| | 0.3
1.0 | -10
-14 | 0
0 | 0
0 | |
| | 1.0
3.3
10.0 | -23
-24
-24 | 0
0
0 | 0
0
0 | |
| 9346-29 | 0.3
1.0
3.3 | 0
0
0 | 0
0
0 | 0
0
0 | |
| 9346-31 | 0.3
1.0
3.3 | 0*
-33*
-37 | 0*
0*
-48 | 0*
0*
0 | |
| 9346-37 | 0.3 | 0 | 0 | 0 | |

EFFECT OF COMPOUNDS ON BLOOD PRESSURE, HEART RATE AND

RESPIRATION AFTER ADMINISTRATION TO CHLORALOSE CATS (Contd)

| Compound | Dose
mg/kg | Change in | | Heart Rate
beats/min | Respiration | Remarks |
|----------|---------------|------------------------------|----------------|-------------------------|-------------|-------------|
| | | Mean Blood Pressure
mm Hg | Blood Pressure | | | |
| 9405-35 | 0.3 | 0 | | 0 | 0 | |
| | 1.0 | 0 | | 0 | 0 | |
| | 3.3 | 0 | | 0 | 0 | |
| 9405-39 | 0.3 | 0 | | 0 | 0 | |
| | 1.0 | -12 | | 0 | 0 | |
| | 3.3 | -48 | | 0 | 0 | |
| 9405-47 | 0.3 | 0 | | 0 | 0 | |
| | 1.0 | -10 | | 0 | 0 | |
| | 3.3 | -22 | | 0 | 0 | |
| | 0.3 | 0 | | 0 | 0 | |
| | 1.0 | +72 | | +66 | 0 | EKG changes |
| | 2.4 | +59 | | +12 | 0 | EKG changes |

EFFECT OF COMPOUNDS ON BLOOD PRESSURE, HEART RATE AND
RESPIRATION AFTER ADMINISTRATION TO CHLORALOSSED CATS (Contd)

| Compound | Dose
mg/kg | Change in | | Heart Rate
beats/min | Respiration | Remarks |
|----------|---------------|------------------------------|-------------------------|-------------------------|-----------------|---|
| | | Mean Blood Pressure
mm Hg | Blood Pressure
mm Hg | | | |
| 9346-63 | 1.0 | 0 | 0 | 0 | 0 | Decrease in blood pressure
not blocked by atropine.
Response to norepinephrine
and tyramine may have been
enhanced. |
| | 3.3 | -30 | -30 | +42 | 0 | |
| 9346-85 | 0.3 | 0 | 0 | 0 | 0 | |
| | 1.0 | 0 | 0 | 0 | 0 | |
| | 3.3 | 0 | 0 | 0 | 0 | |
| 9346-87 | 0.3 | 0* | 0* | 0* | 0* | |
| | 1.0 | 0* | 0* | 0* | 0* | |
| | 3.3 | -35* | -35* | 0* | 0* | |
| | 3.3 | -40 | -40 | 0 | 0 | |
| 9405-13 | 0.3 | 0 | 0 | 0 | Increased depth | |
| | 3.3 | -67 | -67 | 0 | Increased depth | |
| 9405-21 | 1.0 | 0 | 0 | 0 | 0 | EKG voltage increased |
| | 3.3 | 0 | 0 | 0 | 0 | EKG voltage increased |
| | 10.0 | -10 | -10 | +18 | 0 | EKG voltage increased |
| 9405-33 | 0.3 | 0 | 0 | 0 | 0 | |
| | 1.0 | 0 | 0 | 0 | 0 | |
| | 3.3 | 0 | 0 | +30 | 0 | |